

DRAFT

SUMMARY AND ANALYSIS OF RESULTS

FIELD TREATABILITY STUDY GRANULAR ACTIVATED CARBON TREATMENT SYSTEM

SOUTH WALNUT CREEK BASIN
SURFACE WATER INTERIM MEASURE/INTERIM REMEDIAL ACTION

OPERABLE UNIT NO. 2

U.S. DEPARTMENT OF ENERGY
Rocky Flats Plant
Golden, Colorado

ENVIRONMENTAL MANAGEMENT PROGRAM

MARCH 1992

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REVIEWED FOR CLASSIFICATION BY
By F. J. Gutten C-NV
Date 3-5-92

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By F. J. Curran *C-AV*
Date 3-5-92

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Appendix

- A Data Table, CLP Volatiles**
- B Data Table, CLP and Non-CLP Metals**
- C Data Tables, Radiochemistry**
- D Field Data Documentation**

List of Acronyms and Abbreviations

The following acronyms and abbreviations are used in the Work Plan:

ARARs	Applicable or Relevant and Appropriate Requirement
CLP	Certified Laboratory Procedure
CUR	Carbon Use Rate
DCE	Dichloroethene (herein total 1,2-DCE, cis + trans)
DL	Detection Limit
DOE	Department of Energy
DQO	Data Quality Objective
EBCT	Empty Bed Contact Time
FSP	Field Sampling Plan
FS	Feasibility Study
FTU	Field Treatability Unit
GAC	Granular Activated Carbon
GPM	Gallons (U.S.) per minutes, also gpm
GRRASP	General Radiochemistry and Routine Analytical Services Protocol
IAG	Interagency Agreement
IM/IRA	Interim Measures/Interim Remedial Action
MDA	Minimum Detectable Activity
mg/L	Milligrams per liter
NPSH	Net Positive Suction Head
NTU	Nephelometer Turbidity Unit
PPE	Personal Protection Equipment
pCi/L	Picocuries per liter
RA	Remedial Action
RFEDS	Rocky Flats Environmental Database
RFP	Rocky Flats Plant
RI	Remedial Investigation
RRS	Radionuclides Removal System
SS	Suspended Solids
SW	Surface Water
SOP	Standard Operating Procedure
TBC	To Be Considered
TCLP	Toxicity Characteristics Leaching Procedure
TDS	Total Dissolved Solids
TOC	Total Organic Carbon
ug/L	Micrograms per Liter
VOC	Volatile Organic Compounds

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EXECUTIVE SUMMARY

This report presents a summary and analysis of results of the Phase 1 Field Treatability Study conducted in the South Walnut Creek Basin to remove Volatile Organic Compounds (VOCs) from surface water flows. Discussion includes: influent water characterization, system and component performance, and areas for design modification. The project started May 13, 1991 and was completed on schedule in accordance with the Work Plan and the IAG for this IM/IRA.

Characterization of the influent surface water shows an average of 14 ug/L of 1,2-dichloroethene with lesser concentrations of trichloroethene, tetrachloroethene and carbon tetrachloride each present at the detection limit of 5 ug/L. VOC contamination is less than was anticipated by the Work Plan. Concentrations of influent radionuclides and metals are generally below requirements for treated water. The system has treated 4.6 million gallons at an average of 14 gpm through the end of 1991, compared to the design flow rate of 60 gpm.

The Phase 1 system consisting of collection, filtration and Granular Activated Carbon (GAC) treatment functioned as designed. The collection system achieved flow capture over 99% of the time. The GAC units attained VOC removals with a contact time of 25 minutes, but Carbon Use Rate (CUR) appears high and is the subject of further study to improve effectiveness. GAC changeout using 2000 lb. units of virgin carbon was based on elapsed time. Design anticipated six months to break through; but, since this could not be confirmed by timely analytical results, changeout was done after approximately four months of operation. (119 days in the first operational sequence and 122 days in the second.)

Implementation of the Phase 2 Radionuclide Removal System (RRS), including integration with GAC treatment, is planned for the second quarter of 1992. The RRS is expected to obviate the need for filter bag filtration and backwashing modifications to the GAC system which would otherwise be desirable. Other operational improvements suggested are the use of real time VOC measurements, or alternatively, faster turnaround and reporting of laboratory determinations, and redesign of the surface water collection system to minimize system upset by the inflow of rocks and debris during heavy rainfall.

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1.0 INTRODUCTION

Rocky Flats Plant (RFP) began operations in 1951. Past hazardous waste management practices at the RFP have resulted in environmental contamination at several plant site areas. One such area, designated as Operable Unit No. 2 (OU 2) includes the 903 Pad, Mound, and East Trenches Areas. A portion of OU 2 lies within the South Walnut Creek drainage basin. Past waste management practices at OU 2 included solid and liquid waste disposal, reactive metals destruction, and waste burning. Remedial Investigation (RI) for OU 2 began in March 1987. The investigation process includes soil, groundwater and surface water sampling; various types of subsurface soil surveys; and map preparation. The RI has identified the presence of VOCs, radionuclides and metals contamination in OU 2 soils, ground water, and surface water. While investigations to fully characterize OU 2 contamination continue and a final remedy is being determined, the U. S. Department of Energy (DOE) is pursuing OU 2 surface water clean-up under an Interim Measures/Interim Remedial Action (IM/IRA). On May 8, 1991, the DOE released an IM/IRA Plan (DOE, 1991) to collect and treat contaminated surface water in a portion of the South Walnut Creek drainage at OU 2.

Implementation of the IM/IRA will enhance DOE's efforts toward containing and managing contaminated OU 2 surface water and will mitigate downgradient contaminant migration. The South Walnut Creek Basin Surface Water IM/IRA Plan dated March 8, 1991 was approved for implementation by the U. S. Environmental Protection Agency (EPA) and the Colorado Department of Health (CDH) in May 1991. This Field Treatability Study at South Walnut Creek Basin is part of the IM/IRA for OU 2. This plan presents a detailed analysis of remedial alternatives for collection and treatment of contaminated South Walnut Basin surface water. This analysis resulted in the selection of the following preferred IM/IRA alternative:

- Collect contaminated surface water by diversion at three surface water monitoring stations located within the South Walnut Creek Basin (SW-59, SW-61 and SW-132).

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- Remove suspended solids, radionuclides and metals from the collected surface water by chemical and physical treatment (precipitation, coagulation and membrane filtration).
- Remove VOCs from the surface water by treatment with Granular Activated Carbon (GAC).

Operation of the Phase 1 treatment system was initiated May 13, 1991 with the deployment of the GAC treatment system. The bag filters were installed as pretreatment units to the GAC vessels. This report presents a summary and analysis of results of the Phase 1 Field Treatability Study. This analysis considers characterization of influent surface water, performance evaluation of system components, performance analysis of the system as a whole, and discussion of design or operating changes for study and assessment of related parameters such as the generation of residuals. These are discussed in subsequent sections of this report.

This report is based on analytical data collected from the period May 13, 1991 through December 5, 1991, the latest date on which data is available for its preparation. The report is due April 1, 1992, and complies with the IAG schedule. As more analytical data become available, the preliminary results and conclusions of the Phase 1 Program will be revisited and presented in the final report due June 2, 1992.

The Phase 2 Field Treatability Study will subsequently incorporate an RRS, involving precipitation and cross-flow micro-filtration upstream of the GAC treatment. The RRS will also remove heavy metals that are amenable to this treatment. Phase 2 field implementation is scheduled for the second quarter of 1992 and will alter markedly the influent and, thereby, operating conditions of the GAC treatment system.

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2.0 TREATABILITY TEST EQUIPMENT AND PROCEDURES

Detailed descriptions of the equipment and procedures in the Phase 1 test program are presented in the Workplan (EG&G 1991c), the O&M Manual (EG&G 1991d) and the Field Sampling Plan (EG&G 1991b). The following presents this information in order to highlight operating experience and deviations from plan.

2.1 Collection System

Surface water collection was performed at Stations SW 59 and SW 61 only. The design flow rate from these stations was 4.5 gpm and 37.5 gpm, respectively, for a total of 42 gpm, in accordance with the IM/IRA document. The collection of surface water from Station SW 132 has not as yet been implemented. Flow totalizers were operated in the influent and effluent lines. Figure 2.1-1 presents the Field Treatability Unit Plot Plan.

Collection was implemented using precast concrete basins provided with float-controlled submersible pumps as planned. These delivered surface water through double-walled, insulated, heat-traced piping to the equalization vessel. Liquid height was measured to assure adequate static head to satisfy pump NPSH requirements. The tank was provided with low, high and high-limit indicators. Breathing losses were directed through a GAC drum to prevent the loss of VOCs to the ambient air.

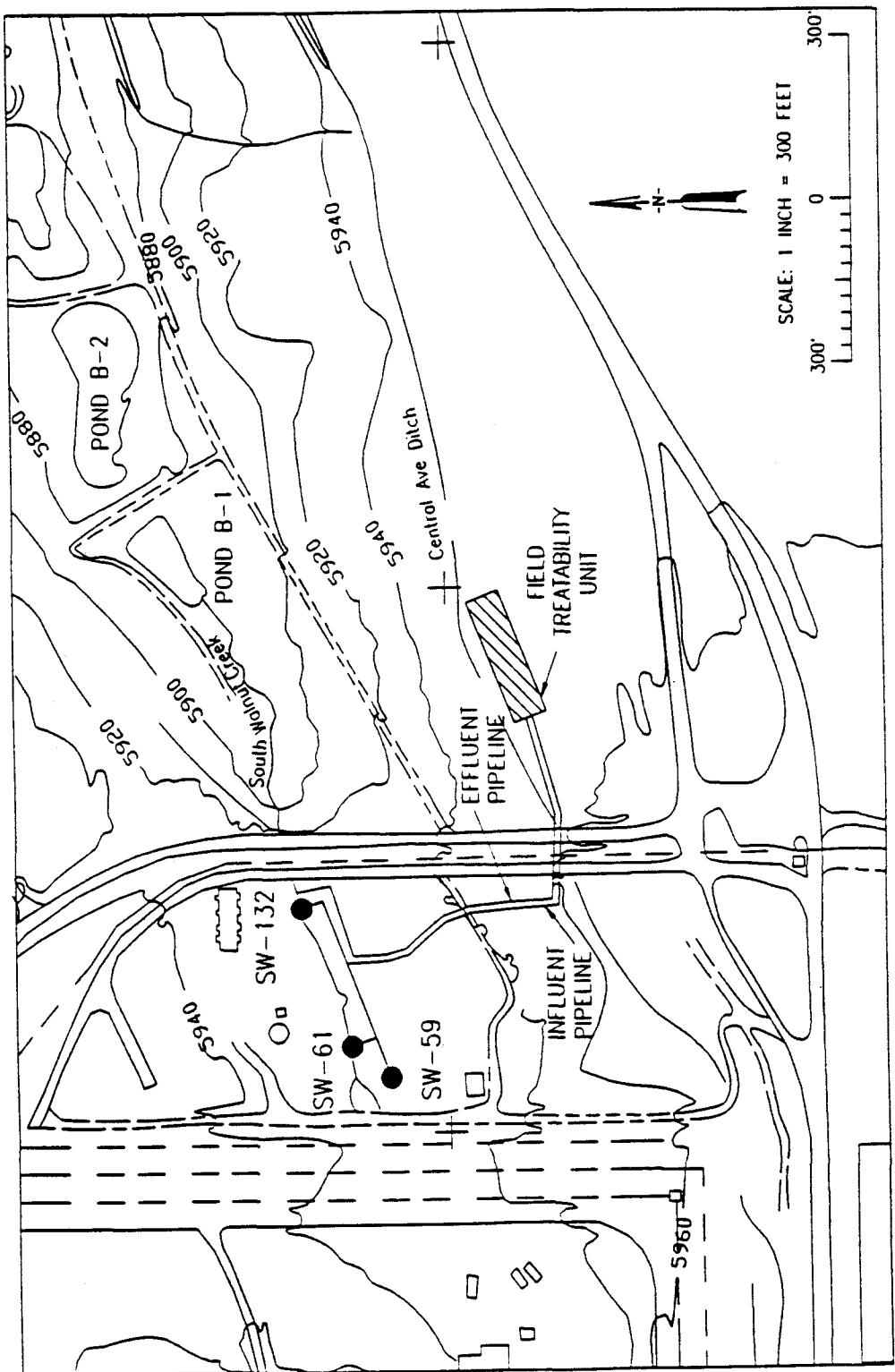
2.2 Filtration System

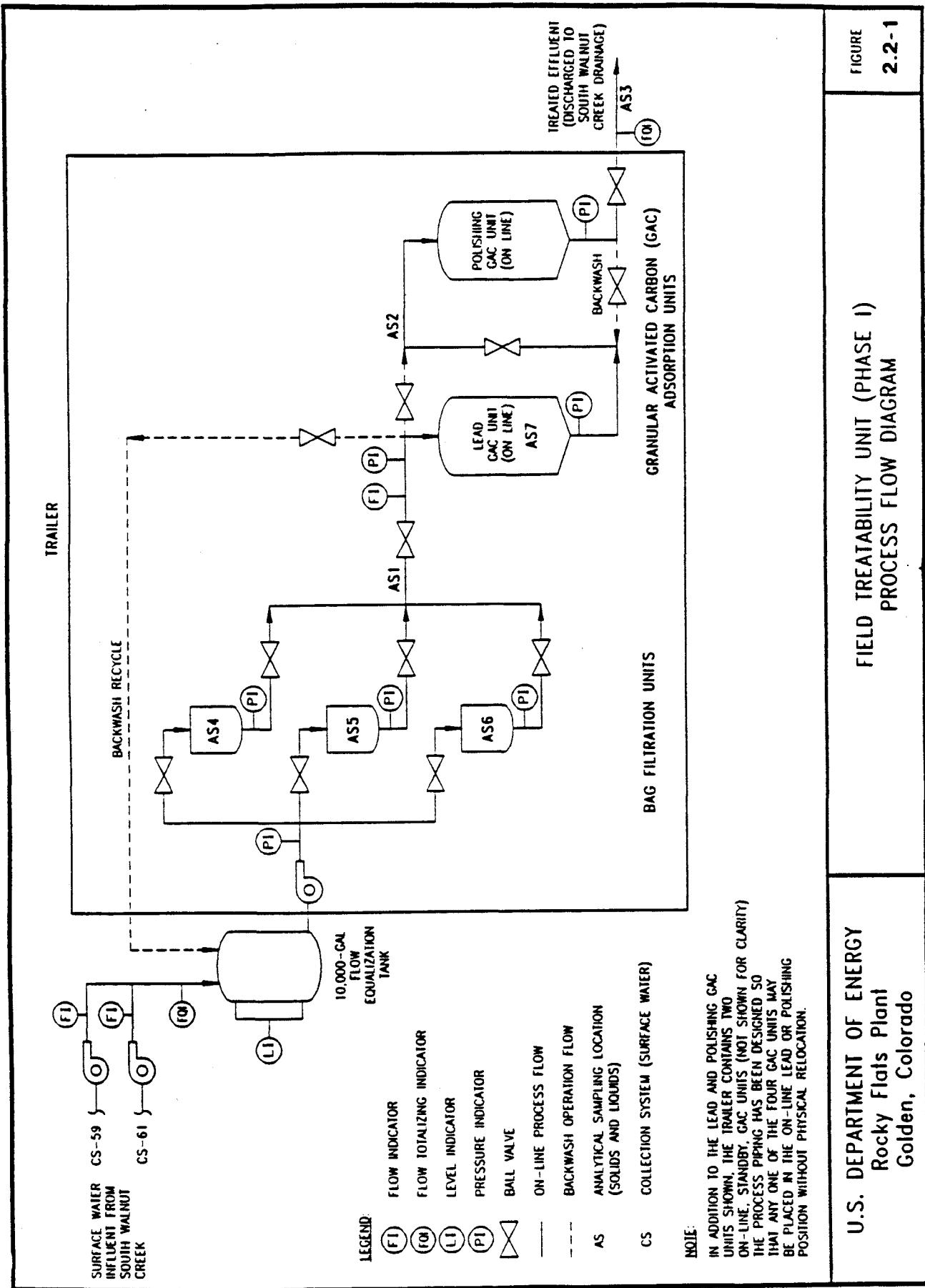
Bag filters were provided as planned to remove/reduce solids which would be pumped to the GAC units. Because of blinding problems three different pore size bags, all in the micron range, were deployed. Provision for air bleeding and draining were included in accordance with the workplan. The Field Treatability Unit (Phase I) Process Flow Diagram is presented in Figure 2.2-1.

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FIELD TREATABILITY UNIT PLOT PLAN
SOUTH WALNUT CREEK BASIN

FIGURE
2.1-1





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2.3 GAC Treatment Units

GAC units were installed and operated in accordance with plan using the rotating lead/polish mode and backwashing when indicated by increased pressure drop. Changeout of the lead unit was determined by estimating breakthrough time. It was expected that compounds released by the lead column would be absorbed by the second or polish column. Time to breakthrough using the polish column would be sufficient to obtain confirming laboratory analysis so that no release occurred from the polish column and the cycle could be repeated.

Backwashing GAC columns was accomplished as planned using filtered water which was treated downflow by the polish column, then fed upflow to the lead column. To increase the backwashing rate, backwashing was also conducted using "dirty" water. This was introduced using filters only without downflow treatment by the polish column with consequent pressure and flow reduction. The higher flow was intended to achieve in better bed expansion and thereby, more thorough backwashing. Backwash water was returned to the flow equalization tank.

2.4 Sampling and Analysis

Aqueous and solids samples were taken in accordance with the Field Sampling Plan and the GRRASP (EG&G 1991a). For the water matrix, VOCs were sampled twice per week for the first six months as influent, between GAC columns and as effluent. Metals and radionuclides were sampled monthly as influent and effluent. Turbidity was sampled weekly in accordance with plan; also pH and temperature field measurements were introduced in the plan as well as water quality and TOC parameters. Other than measurement of field parameters, there was no real time monitoring of VOCs, metals or radionuclides.

Solids were sampled to acquire baseline data and also to characterize residuals. GAC, filter bags and sludges were included. CLP leachate tests were performed in accordance with the workplan.

Applicable protocols were utilized in collecting and handling samples in accordance with the workplan. The only exception to plan was the stabilization of VOC samples in HCl rather than HNO₃.

Samples were shipped to contract laboratories for analysis following radiation screening. Results were reported directly to the Rocky Flats Environmental Data System (RFEDS) along with completed analytical case narratives and data packages.

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3.0 TEST RESULTS

3.1 Summary of Test Results

Characterization of surface water influent with presently available data showed lower than expected contamination compared to the Workplan. The primary VOC contaminant was determined to be 1,2-dichloroethene at levels averaging approximating 14 ug/L. Other VOCs were found, at approximate detection limit levels of 5 ug/L each; these include tetrachloroethene, trichlorethene, and carbon tetrachloride. Approximately 4.2 million (mm) gallons of surface water was processed through January 16, 1992.

The GAC system proved effective and reliable in removing the VOCs, and operation of the units, using lead and polish columns, was effective in preventing breakthrough and discharge of contamination. Improvement was initiated in the use of upstream filters and backwashing techniques to improve the Carbon Use Rate (CUR). In the period covered by this report, initial GAC unit rotation took place after 119 days or 5580 bed volumes.

While the GAC system is not intended to treat radionuclides nor metals, characterization of these contaminants was done in influent and effluent streams. The limited data from radionuclide sampling events shows values that are below those presented in the Phase I Workplan as "expected" in the influent and also below those values anticipated as ARARs for treated surface water. Reported values for Pu and Am are below Minimum Detectable Activity (MDA).

The limited data from sampling events for dissolved and total metals show values below expectations for influent concentrations which were used as the basis for design, and below ARARs for treated effluent. Strontium values, for which no ARAR has been suggested, exceed the "To Be Considered" (TBC) value in the Workplan.

Implementation of the RRS is expected to enhance removal of influent solids. These solids, when pumped to the filters and GAC, cause operational difficulty particularly following heavy rain. Implementation is also likely to extend greatly the CUR and minimize generation of spent GAC. The following sections discuss surface water characterization, performance of the treatment system and its components and provide definition of residuals.

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3.2 Surface Water Influent VOC Characterization

Forty-two sampling events for organic chemicals of concern were conducted between May 23, 1991 and December 5, 1991 the last available results as of this date. These analytical data are presented in Appendix A. Table 3.2-1 presents an overview. Approximately 4.2 million gallons of water was treated during the period. No real time monitoring was employed for determining VOC concentration.

Table 3.2-1

Presence of Volatile Organic Compounds Detected in Influent Surface Water

<u>Compound</u>	<u>Hits/ Samples</u>	<u>Nos. of J/B/U</u>	<u>Presence</u>
1,1,1-Trichloroethane	0/40	0	Doubtful
1,2-Dichlorethane	35/40	2/0/3	Certain
Acetone	0/40	3/7/30	Doubtful
Carbon Tetrachloride	24/41	14/0/3	Likely
Tetrachloroethene	17/41	20/0/4	Likely
Trichloroethene	22/40	16/0/2	Likely

U = Analyzed but not detected.

J = Reported value is less than Contract Required Detection Limit (CRDL) but greater than Instrument Detection Limit (IDL).

B = Analyte detected in the blank.

Hit = Exceedance of CRDL.

Note: Both 1,1-Dichloroethene and 1,1-Dichloroethane were anticipated to be present by the Workplan for this IM/IRA but were not detected. Acetone was not anticipated, and is not believed to be present.

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Table 3.2-2 presents a summary of characterization for concentration of VOCs which are identified as present in the influent surface water. Acetone because of its ubiquitous nature and presence in blanks is not believed to be present in the raw water. Calculated average values when arithmetically computed to be less than detection limits (DLs) are shown as DLs.

Table 3.2-2

Characterization of Influent Surface Water
Volatile Organic Compounds at AS1*

Compound	Average Value, ug/l	Maximum Value, ug/l	ARAR, ug/L**
1,2-Dichloroethene	14	43	1U (TBC)
Carbon Tetrachloride	5	8	5U
Tetrachlorethene	5	20	1U
Trichloroethene	5	11	5U (TBC)

- Based on approximately 40 sampling events, 05/29/91 to 12/05/91.
- From Workplan (EG&G 1991c)

It should be noted that the values in Table 3.2-2 may not be representative of the raw surface water due to recycling of water to achieve priming of the influent transfer pump, the return of partially or completely treated water to the equalization tank during backwashing operations, or due to air stripping on discharge into the equalization tank. These values are presently considered to be approximate, and the results of the GAC treatment are accordingly indicative of acceptable GAC performance. Backwashing and hydraulic problems are discussed below in Section 3.7. Methylene chloride, vinyl chloride and acetone were referenced in the workplan as not treatable by GAC and were not found to be present in the Phase I characterization.

3.3 Surface Water Influent Characterization for Radionuclides

Sampling events were also conducted to characterize radionuclides in the influent water. A summary of characteristic values are shown in Table 3.3-1 where comparison is made with expected influent values and also ARARs which are presented in the Phase 1 Workplan. The small data population that has been collected to date show the presence of very low levels of radionuclides. Values for Pu and Am are below MDA. The concentrations shown in the table are subject to the same uncertainties discussed previously in Section 3.2.2 from recycling and backwashing, and may not be representative. Appendix B presents the available data for radionuclides. Radionuclide concentrations in influent to and effluent from the GAC units are indistinguishable from each other as shown in Appendix B.

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Table 3.3-1

Characterization of Influent Surface Water at AS1
for Radionuclides*
(Values in pCi/L)

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<u>Dissolved</u>	<u>Expected Influent**</u>	<u>ARAR**</u>	<u>Highest Observation</u>
Gross Alpha	20.11	11	3.6 +/- 1.8
Gross Beta	39.9	10	5.8 +/- 1.8
Total Uranium	9.96	10	6.6 +/- 0.9
<u>Total</u>			
Gross Alpha	730.	11	3.6 +/- 1.8
Gross Beta	545.	19	5.8 +/- 1.8
Plutonium	3.28	0.05	0.0085 +/- 0.0065
Americium	0.53	0.05	0.0281 +/- 0.0191
Total Uranium	11.69	10.	6.6 +/- 0.9

* Based on sampling dates of 05/29, 06/13 and 09/17/1991, as presented in Appendix C. Observations are shown in accordance with EPA protocol (EPA, 1980).

** As presented in the Phase 1 Workplan.

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3.4 Surface Water Influent Characterization for Metals

Sampling events were also conducted to characterize metals in the influent water. Values are shown in Table 3.4.1 where comparison is made with expected influent values and also ARARs which are presented in the Workplan. The small data population suggests the presence of very low levels of both total and dissolved metals have been encountered to date. Values are below ARARs, except for antimony and strontium, which are reported higher than the To Be Considered (TBC) value in the Workplan. These data are subject to uncertainties from recycling and backwashing, as discussed in Section 3.2.2. and values may not be representative. Also the data population is too small for statistical evaluation. Appendix C presents the data for metals.

Concentrations of metals influent to and effluent from the GAC units are indistinguishable from each other as would be expected. Some removal of iron, although present at low levels, may be taking place.

3.5 Influent Water Quality

Sampling of water quality parameters was initiated late in the program, including carbonate, sulfate, TSS, TDS, and conductivity. Measured field parameters included pH and temperature. An additional parameter measured was Total Organic Carbon (TOC). TOC values were assessed for their possible impact on GAC loading. Nothing of significance was noted from the limited data above except possibly TOC. One TOC sampling event showed approximate levels of 42 mg/L with no removals taking place in the GAC.

Field data include pH measurements which are in a range 7.2 to 8.0. Temperature varied between 40 to 50 degree Fahrenheit and was affected by a number of factors including heat tracing, solar heating, pump recycle. There is no figure of merit apparent at this time relating to system performance.

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Table 3.4-1

Characterization of Influent Surface Water
for Dissolved and Total Metals

	<u>Expected Influent*</u>	<u>ARAR, mg/L</u>	<u>Highest Effluent Observation, mg/L</u>
Dissolved**			
Beryllium	0.0053	0.1	DL
Manganese	0.5790	0.050	DL
Strontium	0.8396	0.396	0.436
Tin	0.9036	0.1	DL
Total***			
Aluminum	25.12	0.2U	0.243
Antimony	0.0655	0.06	0.07
Barium	1.853	1.00	DL
Beryllium	0.0519	0.10	DL
Cadmium	0.0132	0.01	DL
Chromium, Tot	0.1918	0.05	0.0138
Cobalt	0.1232	0.050	DL
Copper	0.2664	0.02	DL
Iron, Total	184.	1.0	DL
Lead	0.1954	0.05	DL
Lithium	0.410	2.5	DL
Manganese	3.307	1.0	0.02
Mercury	0.0022	0.002	U,UN
Molybdenum	0.1574	0.10	DL
Nickel	0.2239	0.2	DL
Selenium	0.0070	0.01	U,BWN
Strontium	0.860	0.382 TBC	0.537
Vanadium	0.5019	1.0	DL
Zinc	1.348	2.0	0.120

* As presented in the Phase 1 Workplan.

** Based on sampling date of 07/31/1991.

*** Based on sampling dates of 05/29, 06/13, 9/17, 11/12/ and 12/12/1991 .

DL = Below detection limit

U = Analyzed but not detected

N = Spiked sample recovery outside of control limits

B = Reported value is less than Contract Laboratory Detection Limit (CRDL), but greater than Instrument Detection Limit (IDL).

W = Post-digestion spike was out of control limits.

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3.6 GAC Performance

The GAC columns were operated in the lead/polish mode in accordance with the Workplan. Initial rotation of the lead vessel took place on September 15, 1991 after 119 days of operation. Approximately 2.8 million gallons of surface water had been treated. This quantity is the equivalent of 5626 bed volumes which is a figure of merit independent of flow variation. The second change of lead vessel took place January 16, 1992, after 122 days. Considering the low levels of VOCs present and the characteristics of their isotherms, longer and more consistent bed use would be expected. Residence time was maintained at about 25 minutes Empty Bed Contact Time (EBCT) through the GAC system at 42 gpm (69 cubic feet of GAC in each vessel).

The need for premature bed changeout can be attributed to several possible factors. One is the accumulation of solids which hinder availability of GAC sites for sorption. This is discussed in a following section which considers backwashing. Another possibility is that previously unidentified organics are being absorbed preferentially. The loading of carbon by species quantifiable by TOC measurements is being evaluated. Another possible reason is formation of sulfate or carbonate precipitates. Water chemistry does not suggest this since pH is too low to permit formation of carbonate ion; sulfate levels are low and invariant between influent and effluent values.

1,2-Dichloroethene (DCE) appears as the most difficult contaminant to capture on carbon and the first to break through from the lead column to the polish unit. The data shows that DCE began to flow to the polish GAC column between August 1 and August 6, 1991 during the first operating sequence. It appears that the analytical results reported for August 6 has switched influent and effluent values. The sequence of data for DCE from page 10 of Appendix A, adjusted for this apparent uncertainty, is shown in Table 3.6-1.

Table 3.6-1
Concentration of DCE in August, ug/L

<u>Date</u>	<u>AS1</u> <u>Influent</u>	<u>AS2</u> <u>Interstage</u>	<u>AS3</u> <u>Effluent</u>
8 / 1	24.00	5.00U	6.00
8 / 6	15.00	15.00	3.00J
8 / 8	30.00	13.00	3.00J

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During the second operating sequence, rotation of the lead GAC vessel did not take place until January 16, 1992. The latest available (December) data show the presence of DCE interstage (between carbon units) and possible channelling or incipient breakthrough to the effluent. Selected data follow in Table 3.6-2. (See also page 11, Appendix B).

Table 3.6-2

Concentration of DCE in December, ug/L

<u>Date</u>	<u>AS1 Influent</u>	<u>AS2 Interstage</u>	<u>AS3 Effluent</u>
12/03	7.00	9.00	3.00J
12/05	18.00	17.00	9.00

Effluent concentrations of DCE oscillate above and below the detection limit and thereby give an indication that channeling is taking place. The presence of several consecutive "hits" would suggest, alternatively, that a "front" of DCE had advanced through the bed.

3.7 Filtration and Backwashing

The GAC units are designed for use with pre-filters which prohibit entry of solids. The design of these particular GAC units does not readily accommodate backwashing where prefiltrating is not effective. While filtration and backwashing have both presented operational problems, improvements are being studied. When the RRS is installed, filtration of suspended solids will be shifted to that system. Also, the need for backwashing will be greatly reduced or eliminated because solids will be removed in the RRS.

Three filters in parallel configuration remove suspended solids upstream of the GAC and have been provided with nominal 5- and 10- micron pore size filter bags. The 5-micron bags were used early in the program, but were found to plug easily. The use of 10-micron bags proved to be more satisfactory but still required frequent changeout during precipitation events. During these events, a filter bag may plug in a few minutes. Between startup in May 1991 and the end of the year, 444 10-micron bags and (12 each, 5-micron) bags were used. Turbidity measurements showed reductions from the 24 NTU range to the 6 NTU range using 1 micron filter bags; for the 5-micron bag reductions were of the order of 23 to 18 NTUs using a calibrated Hach 2100P Portable Turbidometer. For the 10-micron bags, turbidity was reduced from 23.0 to 21.0 NTU.

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The 5- and 10-micron bags are nominally rated. Filter bag construction has been identified as a concern. Some conventional needle punched seams may have holes in the order of 100 to 1000 microns depending upon the diameter of the needle. Preliminary evaluation of alternative products using particle counting techniques have identified performances over 90%, in the 1-2 micron particle size range.

The use of bag filters were not effective in eliminating the need for GAC backwashing. The lead carbon vessels were backwashed on the average of ten times over approximately 120 days in service as lead vessels. Backwashing rates were provided by the process pump which produced only about 45 gpm using a "clean water" flow sequence. This flow sequence first provided filtration, then downflow treatment and filtering through the polishing unit, then upflow backwashing to the lead vessel. This resulted in approximately 3 gpm/square foot backwash rate with an accompanying low or non-existent bed expansion.

On discussion with the equipment supplier, enhanced backwashing was attempted using only filtered water on February 21st. The reduced pressure drop from avoiding the polish vessel moved the pump operating line higher on the curve, and the result was a maximum flow of 72 gpm. The benefit of this is presently being evaluated. Also, it was determined that the GAC vessels lack internal distributors to assure even flow distribution including backwashing and also that the internal freeboard available for bed expansion is uncertain. The highest obtainable backwash rate did not dislodge carbon particles, as observed through the sight glass, however, some fines were removed.

Calcium and magnesium levels in the surface water do not suggest a problem with hindering sorption sites by precipitation of these metals. Further water quality data are in process of being evaluated.

3.8 Flow and Capture

Flow from the collection sums varied with precipitation events. Flow ranged from 43,000 to 338,000 gallons per week. Weekly and cumulative flows are presented in Figure 3.8-1 for the reporting period (week ending) May 19, 1991 through January 21, 1992.

The collection system operated up to design capacity of 42 gpm. Flow in excess of this was allowed to overflow the weirs. The overflow condition occurred at SW-61 for 44 hours during the May through January period, as reported in the O&M Contractor's Weekly Operations Summary Reports (Appendix D).

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Table 3.8-1
Weekly and Cumulative Surface Water Collection

<u>Period</u>	<u>For the</u>	<u>Cumulative</u>
<u>Week Ending</u>	<u>Week. mgals</u>	<u>mmgals</u>
05/19/91	235	0.235
05/26	267	0.499
06/02	198	0.696
06/09	277	0.973
06/16	172	1.145
06/23	148	1.293
06/30	110	1.403
07/07	116	1.518
07/14	96	1.709
07/21	116	1.825
07/29	193	2.018
08/05	132	2.151
08/12	230	2.380
08/19	153	2.534
08/27	129	2.567
09/03	68	2.635
09/10	69	2.704
09/17	86	2.790
09/24	61	2.850
10/01	81	2.931
10/08	83	3.015
10/15	43	3.058
10/22	44	3.102
10/29	88	3.191
11/05	111	3.302
11/12	131	3.433
11/19	236	3.669
11/26	338	4.007
12/03	238	4.246
12/10	144	4.389
12/17	92	4.481
12/24	64	4.544
12/31	61	4.605
01/07/92	48	4.654
01/14	47	4.721
01/21	70	4.790

Notes:

Changeout lead GACs 09/15/1991 and 01/16/1992.

Operations ran 12 hour days from 08/18 to 08/29/1991, otherwise 24 hours.

Baseline flows were not collected during the 12 hour shifts.

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3.9 Residuals

Residuals consist mainly of used filter bags, spent carbon (in-vessel) and used PPE. Expected decreases in CUR because of better utilization and the shift of solids removal to the RRS from the bag filters upon implementation of Phase 2 will reduce generation of residuals substantially. Generation of "spent" GAC has occurred at an unexpected rate; specifically three "spent" containers of GAC (6000 lb dry weight) have been generated through January 1992. Characterization of GAC is being performed for TCLP metals and radionuclides.

There were 465 filter bags utilized from May 1991 to January 21, 1992. Solids currently collected in the bags will be incorporated in sludges generated by the RRS during Phase 2. Subsequent volumes are expected to be substantially less because no filter cloth is involved. This residual is being characterized to develop options for disposal.

As of January 21, 1992 approximately 147 changes of Personnel Protection Equipment (PPE) have been used in operating the GAC system. It is expected that per capita use of PPE will continue at the same rate.

The generation of laboratory waste has been incidental to that of the other residuals. GAC from the equalization tank vent line has not been evaluated.

3.10 Mechanical and Electrical Sub-systems

Several mechanical and electrical sub-systems are identified for the purposes of this discussion. These are associated with surface water collection and discharge, water storage and equalization, filtration and GAC treatment.

The surface water collection and discharge subsystem consists of sumps, sump pumps, transfer piping and associated instrumentation. This system performed well but some problems were experienced. In times of heavy precipitation, sump cleanout was required to remove rocks, brush, leaves, and gravel. At SW-59, the motor rotated and pinned the float valve requiring minor readjustment.

Influent and effluent transfer piping performed satisfactorily. It is noted that, should flooding occur, buoyant forces would be exerted on the piping which may not have sufficient anchoring to prevent flotation and damage.

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The pumps functioned well after adjustments were made in mechanical low level shut off sensors. Electrical signals, communicated to the control panel presently only show when sump pumps are being operated; they do not show which sump individually is being pumped which would provide greater ease of operation.

Water storage and equalization subsystem consists of the storage tank and transfer pump. Because of return flows to the storage tank, solids have been accumulating in the bottom of this vessel. Sampling was performed and analysis is being conducted to characterize these solids. Cleanout of this vessel should not be routinely necessary in Phase 2 since grab samples for Settleable Solids (SS) showed non detectable levels and accumulation only after seven months of service in Phase 1.

The Net Positive Suction Head (NPSH) required by the transfer pump, partly because of its elevation in the trailer, necessitated that a high level of liquid be maintained in the storage tank to avoid cavitation.

Water hammer was another problem discovered during early operations. A solution was developed to recycle to the storage tank, then gradually introduce flow to the GAC units while reducing recycle.

Minor problems were encountered with the high and high-limit tank liquid level sensing units. Satisfactory remedies were developed in the field. Also, during rainfall events, water collected in the annular space of the tank. This was perceived visually and pumped out.

The third sub-system provides filtration and GAC adsorption. Associated mechanical or hydraulic problems were found to include filter bag weakness leading to rupture, GAC liquid mal-distribution and canister blinding. Filter bags are subject to rupture when differential pressure, caused by sediment loading or plugging, approaches 25 psi. During periods of heavy solids loading, bag failure occurred in as little as ten minutes.

The GAC units are not provided with methods of liquid distribution internally as confirmed by the manufacturer. The design may affect CUR because of poor contacting during the adsorption cycle and also contribute to limited effectiveness of backwashing.

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The GAC treatment unit canisters were expected to facilitate sampling. The canisters become blinded with solids but are not amenable to backwashing. Alternatively, the GAC treatment units were sampled internally by direct means, according to an interim SOP, using a spoon sampling device.

Blinding of the GAC units and canisters appeared to result from solids loading only. There were no evidence of accumulation of biological growth over the reporting period.

There were other minor mechanical problems including GAC vessel overpressure from an improperly adjusted safety valve leading to burst disc rupture and block valve leakage and repair.

3.11 Documentation

Record documentation is provided in project logbooks, as listed in Appendix D, and in the analytical data packages which are maintained in the RFEDS system.

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TITLE:
**SUMMARY AND ANALYSIS OF RESULTS
FIELD TREATABILITY STUDY
GRANULAR ACTIVATED CARBON
TREATMENT SYSTEM, OU2**

Approved by:

Name _____

Date _____

4.0 CONCLUSIONS

Contamination of South Walnut Creek surface waters is less than anticipated. Data acquired to date suggests the presence of 1,2-DCE at about 14 ug/L, average, as well as TCE, tetrachloroethene and carbon tetrachloride, each at about 5 ug/L, average, the detection limit. Radionuclides are below ARARs as are most metals.

The surface water collection system operated with high reliability and little downtime. Redesign is suggested to lessen the problem of upset by inflow of rocks and debris during precipitation events.

The filtration system needs improvement both from identifying better bag materials (micron rated) and perhaps design revision to provide a sequence of progressively smaller pore size filters. This need is obviated by the forthcoming installation of the RRS upstream of the GAC units.

GAC does remove the VOCs of concern. CUR of the GAC units is high and inconsistent, based on limited data, and further study is needed. TOC characterization has been initiated, and further identification of the influent may be necessary to determine additional treatment needs. The RRS may also impact organic level in GAC influent.

Water quality and TOC data, taken across the system, are needed to access CUR and back washing. Inlet parameters should be measured before comingling with return flows. Flow measurements of individual surface water sources will facilitate evaluation of system performance.

Use of real time analysis for VOC determinations would be beneficial. As an alternative, improved turnaround time and data transmittal, working with the RFEDS system, would improve system operability and reliability.

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TREATMENT SYSTEM, OU2

Approved by:

Name _____

Date _____

5.0 REFERENCES

DOE 1991: Final Surface Water Interim Measures/Interim Remedial Action Plan/
Environmental Decision Document - South Walnut Creek Basin (OU-2), U.S. Department of
Energy, Rocky Flats Plant, Golden, Colorado, March 1991.

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Version 2.1, EG&G Rocky Flats/Environmental Management, Rocky Flats Plant, Golden, CO,
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EG&G 1991b: Final Field Treatability Study, Field Sampling Plan, Phase 1, South Walnut Creek
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Environmental Management, Rocky Flats Plant, Golden, CO, August 22, 1991.

EG&G 1991c:Phase 1 Workplan, South Walnut Creek Basin, Manual No. 21100-WP, OU 02.3,
EG&G Rocky Flats/Environmental Management, Rocky Flats Plant, Golden, CO, August 23, 1991.

EG&G 1991d: Project Management Manual No. 21100-PM, Operable Unit No.2, South Walnut
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APPENDIX A
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1,1,1-TRICHLOROETHANE:								
	05/29/91	FT00014REU2	1.00 J	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00025REU2	2.00 J	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	2.00 J	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	2.00 J	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	1.00 J	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	2.00 J	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	1.00 J	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	2.00 J	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	1.00 J	FT00081REU2	1.00 J	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	1.00 J	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	2.00 J	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	1.00 J	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	4.00 J	FT00102REU2	1.00 J	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	.	.	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	3.00 J	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.	.	FT00121REU2	5.00 U	FT00122REU2	5.00 U	.

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. . = Missing.

D = Identification of an analysis at a secondary dilution factor.

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CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
1, 1, 1-TRICHLOROETHANE:								
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00168REU2	2.00 J	FT00167REU2	2.00 J	FT00168REU2	3.00 J	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	3.00 J	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	3.00 J	FT00154REU2	2.00 J	FT00155REU2	2.00 J	5.00
	11/12/91	FT00156REU2	2.00 J	FT00157REU2	1.00 J	FT00158REU2	5.00 U	5.00
	11/14/91	.	.	FT00161REU2	2.00 J	FT00162REU2	5.00 U	5.00
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	.	.	.	.	.
	12/03/91	FT00175REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	2.00 J	FT00179REU2	2.00 J	FT00180REU2	2.00 J	5.00
1, 1, 2, 2-TETRACHLOROETHANE:								
	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than 10L. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

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CLP Volatiles
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<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLOW SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
1,1,2,2-TETRACHLOROETHANE:	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	.	.	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	FT00121REU2	.	FT00122REU2	5.00 U	FT00123REU2	5.00 U	5.00
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	.	.	FT00161REU2	5.00 U	FT00162REU2	5.00 U	5.00
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
(Concentration Units ug/L)

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<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
1,1,2,2-TETRACHLOROETHANE:	11/27/91	FT00172REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/03/91	FT00175REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U					5.00
	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U			FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00

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APPENDIX A
OPERABLE UNIT NO. 2 1M/IRA

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CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
1,1,2-TRICHLOROETHANE:								
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.		FT00121REU2	5.00 U	FT00122REU2	5.00 U	.
	10/08/91	FT00123REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00136REU2	5.00 U	FT00137REU2	5.00 U	FT00138REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	.		FT00161REU2	5.00 U	FT00162REU2	5.00 U	.
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	.		.		5.00
	12/03/91	FT00175REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
1,1-DICHLOROETHANE:								
	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

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CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
1, 1-DICHLOROETHANE:								
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	2.00 J	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	1.00 J	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	2.00 J	FT00075REU2	1.00 J	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	2.00 J	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	1.00 J	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	1.00 J	FT00099REU2	2.00 J	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	.	.	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.	.	FT00121REU2	5.00 U	FT00122REU2	5.00 U	.
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFILTRANT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
1,1-DICHLOROETHANE:								
11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00	5.00
11/12/91	FT00156REU2	2.00 J	FT00157REU2	1.00 J	FT00158REU2	5.00 U	5.00	5.00
11/14/91			FT00161REU2	2.00 J	FT00162REU2	5.00 U	.	.
11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00	5.00
11/27/91	FT00172REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00	5.00
12/03/91	FT00175REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00	5.00
12/05/91	FT00178REU2	1.00 J						
05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00	5.00
06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00	5.00
06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00	5.00
06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00	5.00
06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00	5.00
06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00	5.00
07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00	5.00
07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00	5.00
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08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00	5.00
08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00	5.00
08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00	5.00
08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00	5.00
08/15/91	FT00077REU2	1.00 J	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00	5.00
08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00	5.00
08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00	5.00
08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00	5.00
08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00	5.00
09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U		

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA
CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
1,1-DICHLOROETHENE:								
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	.	.	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.	FT00121REU2	5.00 U	FT00122REU2	5.00 U	.	.
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	.	FT00161REU2	5.00 U	FT00162REU2	5.00 U	.	.
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	.	.	.	.	5.00
	12/03/91	FT00175REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
1,2-DICHLOROETHANE:								
	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. - = Missing.

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
(Concentration Units ug/L)

PAGE 9

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
1,2-DICHLOROETHANE:								
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	FT00105REU2	5.00 U	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.		FT00121REU2	5.00 U	FT00122REU2	5.00 U	.
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. . = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
1,2-DICHLOROETHANE:								
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	.	.	FT00161REU2	5.00 U	FT00162REU2	5.00 U	.
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	.	.	.	.	5.00
	12/03/91	FT00175REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
 1,2-DICHLOROETHENE:								
	05/29/91	FT00014REU2	7.00	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00022REU2	14.00	FT00026REU2	2.00 J	FT00027REU2	5.00 U	5.00
	06/06/91	FT00025REU2	16.00	FT00029REU2	2.00 J	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	14.00	FT00035REU2	5.00	FT00036REU2	4.00 J	5.00
	06/13/91	FT00037REU2	14.00	FT00038REU2	4.00 J	FT00039REU2	5.00 U	5.00
	06/18/91	FT00044REU2	8.00	FT00043REU2	3.00 J	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	18.00	FT00052REU2	2.00 J	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	8.00	FT00055REU2	3.00 J	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	18.00	FT00058REU2	3.00 J	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	38.00	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	24.00	FT00066REU2	5.00 U	FT00067REU2	6.00	5.00
	08/06/91	FT00068REU2	3.00 J	FT00069REU2	15.00	FT00070REU2	15.00	5.00
	08/08/91	FT00071REU2	30.00	FT00072REU2	13.00	FT00073REU2	3.00 J	5.00
	08/13/91	FT00074REU2	36.00	FT00075REU2	18.00	FT00076REU2	5.00	5.00
	08/15/91	FT00077REU2	43.00	FT00078REU2	19.00	FT00079REU2	5.00	5.00
	08/21/91	FT00080REU2	20.00	FT00081REU2	9.00	FT00082REU2	4.00 J	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
(Concentration Units ug/L)

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<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
1,2-DICHLOROETHENE:								
	08/22/91	FT00083REU2	19.00	FT00084REU2	9.00	FT00085REU2	3.00	J
	08/27/91	FT00086REU2	25.00	FT00087REU2	14.00	FT00088REU2	5.00	U
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	12.00	FT00091REU2	4.00	J
	09/03/91	FT00092REU2	15.00	FT00093REU2	8.00	FT00094REU2	3.00	J
	09/12/91	FT00101REU2	10.00	FT00102REU2	8.00	FT00103REU2	5.00	U
	09/17/91	FT00104REU2	5.00 U			FT00106REU2	5.00	U
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00	U
	09/24/91	FT00111REU2	9.00	FT00112REU2	2.00 J	FT00113REU2	5.00	U
	09/26/91	FT00114REU2	9.00	FT00115REU2	2.00 J	FT00116REU2	5.00	U
	10/01/91	FT00117REU2	6.00	FT00118REU2	3.00 J	FT00119REU2	5.00	U
	10/03/91			FT00121REU2	3.00 J	FT00122REU2	5.00	U
	10/08/91	FT00126REU2	6.00	FT00127REU2	5.00 U	FT00128REU2	5.00	U
	10/10/91	FT00129REU2	8.00	FT00130REU2	3.00 J	FT00131REU2	5.00	U
	10/17/91	FT00135REU2	5.00	FT00136REU2	2.00 J	FT00137REU2	5.00	U
	10/21/91	FT00166REU2	13.00	FT00167REU2	15.00	FT00168REU2	14.00	U
	10/22/91	FT00138REU2	9.00	FT00139REU2	2.00 J	FT00140REU2	5.00	U
	10/24/91	FT00141REU2	7.00	FT00142REU2	2.00 J	FT00143REU2	5.00	U
	10/29/91	FT00144REU2	7.00	FT00145REU2	3.00 J	FT00146REU2	5.00	U
	11/05/91	FT00150REU2	4.00 J	FT00151REU2	2.00 J	FT00152REU2	5.00	U
	11/07/91	FT00153REU2	16.00	FT00154REU2	11.00	FT00155REU2	11.00	U
	11/12/91	FT00156REU2	32.00	FT00157REU2	12.00	FT00158REU2	5.00	U
	11/14/91			FT00161REU2	39.00	FT00162REU2	8.00	
	11/19/91	FT00163REU2	7.00	FT00164REU2	5.00 U	FT00165REU2	5.00	U
	11/27/91	FT00172REU2	22.00					5.00
	12/03/91	FT00175REU2	7.00	FT00176REU2	9.00	FT00177REU2	3.00	J
	12/05/91	FT00178REU2	18.00	FT00179REU2	17.00	FT00180REU2	9.00	U
1,2-DICLOROPROPANE:								
	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00	U

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA
CLP Volatiles
 (Concentration Units ug/L)

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<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
1,2-DICHLOROPROpane:								
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00121REU2	5.00 U	FT00122REU2	5.00 U	5.00
	10/03/91							
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00

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CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
1,2-DICHLOROPROpane:								
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	.	.	FT00161REU2	5.00 U	FT00162REU2	5.00 U	.
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	.	.	.	.	5.00
	12/03/91	FT00175REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
2-BUTANONE:								
	05/29/91	FT00014REU2	10.00 U	FT00015REU2	10.00 U	FT00016REU2	10.00 U	10.00
	06/06/91	FT00025REU2	10.00 U	FT00026REU2	10.00 U	FT00027REU2	10.00 U	10.00
	06/06/91	FT00028REU2	10.00 U	FT00029REU2	10.00 U	FT00030REU2	10.00 U	10.00
	06/11/91	FT00034REU2	10.00 U	FT00035REU2	10.00 U	FT00036REU2	10.00 U	10.00
	06/13/91	FT00037REU2	10.00 U	FT00038REU2	10.00 U	FT00039REU2	10.00 U	10.00
	06/18/91	FT00042REU2	10.00 U	FT00043REU2	10.00 U	FT00044REU2	10.00 U	10.00
	07/18/91	FT00051REU2	10.00 U	FT00052REU2	10.00 U	FT00053REU2	10.00 U	10.00
	07/24/91	FT00054REU2	10.00 U	FT00055REU2	10.00 U	FT00056REU2	10.00 U	10.00
	07/25/91	FT00057REU2	10.00 U	FT00058REU2	10.00 U	FT00059REU2	10.00 U	10.00
	07/31/91	FT00062REU2	10.00 U	FT00063REU2	10.00 U	FT00064REU2	10.00 U	10.00
	08/01/91	FT00065REU2	10.00 U	FT00066REU2	10.00 U	FT00067REU2	10.00 U	10.00
	08/06/91	FT00068REU2	10.00 U	FT00069REU2	10.00 U	FT00070REU2	10.00 U	10.00
	08/08/91	FT00071REU2	10.00 U	FT00072REU2	10.00 U	FT00073REU2	10.00 U	10.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample.

E = Concentration exceeds the calibration range of the instrument.

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA
CLP Volatiles
(Concentration Units ug/L)

PAGE 14

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
2-BUTANONE:								
	08/13/91	FT00074REU2	10.00 U	FT00075REU2	10.00 U	FT00076REU2	10.00 U	10.00
	08/15/91	FT00077REU2	10.00 U	FT00078REU2	10.00 U	FT00079REU2	10.00 U	10.00
	08/21/91	FT00080REU2	10.00 U	FT00081REU2	10.00 U	FT00082REU2	10.00 U	10.00
	08/22/91	FT00083REU2	10.00 U	FT00084REU2	10.00 U	FT00085REU2	10.00 U	10.00
	08/27/91	FT00086REU2	10.00 U	FT00087REU2	10.00 U	FT00088REU2	10.00 U	10.00
	08/29/91	FT00089REU2	10.00 U	FT00090REU2	10.00 U	FT00091REU2	10.00 U	10.00
	09/03/91	FT00092REU2	10.00 U	FT00093REU2	10.00 U	FT00094REU2	10.00 U	10.00
	09/10/91	FT00098REU2	10.00 U	FT00099REU2	10.00 U	FT00100REU2	10.00 U	10.00
	09/12/91	FT00101REU2	10.00 U	FT00102REU2	10.00 U	FT00103REU2	10.00 U	10.00
	09/17/91	FT00104REU2	10.00 U	.	.	FT00105REU2	10.00 U	10.00
	09/19/91	FT00108REU2	10.00 U	FT00109REU2	10.00 U	FT00110REU2	10.00 U	10.00
	09/24/91	FT00111REU2	10.00 U	FT00112REU2	10.00 U	FT00113REU2	10.00 U	10.00
	09/26/91	FT00114REU2	10.00 U	FT00115REU2	10.00 U	FT00116REU2	10.00 U	10.00
	10/01/91	FT00117REU2	10.00 U	FT00118REU2	10.00 U	FT00119REU2	10.00 U	10.00
	10/03/91	.	.	FT00121REU2	10.00 U	FT00122REU2	10.00 U	10.00
	10/08/91	FT00126REU2	10.00 U	FT00127REU2	10.00 U	FT00128REU2	10.00 U	10.00
	10/10/91	FT00129REU2	10.00 U	FT00130REU2	10.00 U	FT00131REU2	10.00 U	10.00
	10/17/91	FT00135REU2	10.00 U	FT00136REU2	10.00 U	FT00137REU2	10.00 U	10.00
	10/21/91	FT00166REU2	10.00 U	FT00167REU2	10.00 U	FT00168REU2	10.00 U	10.00
	10/22/91	FT00138REU2	10.00 U	FT00139REU2	10.00 U	FT00140REU2	10.00 U	10.00
	10/24/91	FT00141REU2	10.00 U	FT00142REU2	10.00 U	FT00143REU2	10.00 U	10.00
	10/29/91	FT00144REU2	10.00 U	FT00145REU2	10.00 U	FT00146REU2	10.00 U	10.00
	11/05/91	FT00150REU2	10.00 U	FT00151REU2	10.00 U	FT00152REU2	10.00 U	10.00
	11/07/91	FT00153REU2	10.00 U	FT00154REU2	10.00 U	FT00155REU2	10.00 U	10.00
	11/12/91	FT00156REU2	10.00 U	FT00157REU2	10.00 U	FT00158REU2	10.00 U	10.00
	11/14/91	.	.	FT00161REU2	10.00 U	FT00162REU2	10.00 U	10.00
	11/19/91	FT00163REU2	10.00 U	FT00164REU2	10.00 U	FT00165REU2	10.00 U	10.00
	11/27/91	FT00172REU2	10.00 U	.	.	.	.	10.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
2-BUTANONE :								
	12/03/91	FT000175REU2	10.00 U	FT00176REU2	10.00 U	FT00177REU2	10.00 U	10.00
	12/05/91	FT000178REU2	10.00 U	FT00179REU2	10.00 U	FT00180REU2	10.00 U	10.00
2-HEXANONE :								
	05/29/91	FT00014REU2	10.00 U	FT00015REU2	10.00 U	FT00016REU2	10.00 U	10.00
	06/06/91	FT00025REU2	10.00 U	FT00026REU2	10.00 U	FT00027REU2	10.00 U	10.00
	06/06/91	FT00028REU2	10.00 U	FT00029REU2	10.00 U	FT00030REU2	10.00 U	10.00
	06/11/91	FT00034REU2	10.00 U	FT00035REU2	10.00 U	FT00036REU2	10.00 U	10.00
	06/13/91	FT00037REU2	10.00 U	FT00038REU2	10.00 U	FT00039REU2	10.00 U	10.00
	06/18/91	FT00042REU2	10.00 U	FT00043REU2	10.00 U	FT00044REU2	10.00 U	10.00
	07/18/91	FT00051REU2	10.00 U	FT00052REU2	10.00 U	FT00053REU2	10.00 U	10.00
	07/24/91	FT00054REU2	10.00 U	FT00055REU2	10.00 U	FT00056REU2	10.00 U	10.00
	07/25/91	FT00057REU2	10.00 U	FT00058REU2	10.00 U	FT00059REU2	10.00 U	10.00
	07/31/91	FT00062REU2	10.00 U	FT00063REU2	10.00 U	FT00064REU2	10.00 U	10.00
	08/01/91	FT00065REU2	10.00 U	FT00066REU2	10.00 U	FT00067REU2	10.00 U	10.00
	08/06/91	FT00068REU2	10.00 U	FT00069REU2	10.00 U	FT00070REU2	10.00 U	10.00
	08/08/91	FT00071REU2	10.00 U	FT00072REU2	10.00 U	FT00073REU2	10.00 U	10.00
	08/13/91	FT00074REU2	10.00 U	FT00075REU2	10.00 U	FT00076REU2	10.00 U	10.00
	08/15/91	FT00077REU2	10.00 U	FT00078REU2	10.00 U	FT00079REU2	10.00 U	10.00
	08/21/91	FT00080REU2	10.00 U	FT00081REU2	10.00 U	FT00082REU2	10.00 U	10.00
	08/22/91	FT00083REU2	10.00 U	FT00084REU2	10.00 U	FT00085REU2	10.00 U	10.00
	08/27/91	FT00086REU2	10.00 U	FT00087REU2	10.00 U	FT00088REU2	10.00 U	10.00
	08/29/91	FT00089REU2	10.00 U	FT00090REU2	10.00 U	FT00091REU2	10.00 U	10.00
	09/03/91	FT00092REU2	10.00 U	FT00093REU2	10.00 U	FT00094REU2	10.00 U	10.00
	09/10/91	FT00098REU2	10.00 U	FT00099REU2	10.00 U	FT01000REU2	10.00 U	10.00
	09/12/91	FT00101REU2	10.00 U	FT00102REU2	10.00 U	FT00103REU2	10.00 U	10.00
	09/17/91	FT00104REU2	10.00 U	FT00109REU2	10.00 U	FT00106REU2	10.00 U	10.00
	09/19/91	FT00108REU2	10.00 U	FT00110REU2	10.00 U	FT00110REU2	10.00 U	10.00
	09/24/91	FT00111REU2	10.00 U	FT00112REU2	10.00 U	FT00113REU2	10.00 U	10.00

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

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CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
2-HEXANONE :								
	09/26/91	FT00114REU2	10.00 U	FT00115REU2	10.00 U	FT00116REU2	10.00 U	10.00
	10/01/91	FT00117REU2	10.00 U	FT00118REU2	10.00 U	FT00119REU2	10.00 U	10.00
	10/03/91	FT00126REU2	10.00 U	FT00121REU2	10.00 U	FT00122REU2	10.00 U	10.00
	10/08/91	FT00129REU2	10.00 U	FT00127REU2	10.00 U	FT00128REU2	10.00 U	10.00
	10/10/91	FT00135REU2	10.00 U	FT00130REU2	10.00 U	FT00131REU2	10.00 U	10.00
	10/17/91	FT00166REU2	10.00 U	FT00136REU2	10.00 U	FT00137REU2	10.00 U	10.00
	10/21/91	FT00138REU2	10.00 U	FT00167REU2	10.00 U	FT00168REU2	10.00 U	10.00
	10/22/91	FT00141REU2	10.00 U	FT00139REU2	10.00 U	FT00140REU2	10.00 U	10.00
	10/24/91	FT00144REU2	10.00 U	FT00142REU2	10.00 U	FT00143REU2	10.00 U	10.00
	10/29/91	FT00150REU2	10.00 U	FT00145REU2	10.00 U	FT00146REU2	10.00 U	10.00
	11/05/91	FT00153REU2	10.00 U	FT00151REU2	10.00 U	FT00152REU2	10.00 U	10.00
	11/07/91	FT00156REU2	10.00 U	FT00154REU2	10.00 U	FT00155REU2	10.00 U	10.00
	11/12/91	FT00161REU2	10.00 U	FT00157REU2	10.00 U	FT00158REU2	10.00 U	10.00
	11/14/91	FT00163REU2	10.00 U	FT00164REU2	10.00 U	FT00162REU2	10.00 U	10.00
	11/19/91	FT00172REU2	10.00 U	FT00165REU2	10.00 U	FT00166REU2	10.00 U	10.00
	11/27/91	FT00175REU2	10.00 U	FT00176REU2	10.00 U	FT00177REU2	10.00 U	10.00
	12/03/91	FT00178REU2	10.00 U	FT00179REU2	10.00 U	FT00180REU2	10.00 U	10.00
	12/05/91							
4-METHYL-2-PENTANONE:								
	05/29/91	FT00014REU2	10.00 U	FT00015REU2	10.00 U	FT00016REU2	10.00 U	10.00
	06/06/91	FT00025REU2	10.00 U	FT00026REU2	10.00 U	FT00027REU2	10.00 U	10.00
	06/06/91	FT00028REU2	10.00 U	FT00029REU2	10.00 U	FT00030REU2	10.00 U	10.00
	06/11/91	FT00034REU2	10.00 U	FT00035REU2	10.00 U	FT00036REU2	10.00 U	10.00
	06/13/91	FT00037REU2	10.00 U	FT00038REU2	10.00 U	FT00039REU2	10.00 U	10.00
	06/18/91	FT00042REU2	10.00 U	FT00043REU2	10.00 U	FT00044REU2	10.00 U	10.00
	07/18/91	FT00051REU2	10.00 U	FT00052REU2	10.00 U	FT00053REU2	10.00 U	10.00
	07/24/91	FT00054REU2	10.00 U	FT00055REU2	10.00 U	FT00056REU2	10.00 U	10.00
	07/25/91	FT00057REU2	10.00 U	FT00058REU2	10.00 U	FT00059REU2	10.00 U	10.00

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

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CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
4-METHYL-2-PENTANONE:								
	07/31/91	F100062REU2	10.00 U	F100063REU2	10.00 U	F100064REU2	10.00 U	10.00
	08/01/91	F100065REU2	10.00 U	F100066REU2	10.00 U	F100067REU2	10.00 U	10.00
	08/06/91	F100068REU2	10.00 U	F100069REU2	10.00 U	F100070REU2	10.00 U	10.00
	08/08/91	F100071REU2	10.00 U	F100072REU2	10.00 U	F100073REU2	10.00 U	10.00
	08/13/91	F100074REU2	10.00 U	F100075REU2	10.00 U	F100076REU2	10.00 U	10.00
	08/15/91	F100077REU2	10.00 U	F100078REU2	10.00 U	F100079REU2	10.00 U	10.00
	08/21/91	F100080REU2	10.00 U	F100081REU2	10.00 U	F100082REU2	10.00 U	10.00
	08/22/91	F100083REU2	10.00 U	F100084REU2	10.00 U	F100085REU2	10.00 U	10.00
	08/27/91	F100086REU2	10.00 U	F100087REU2	10.00 U	F100088REU2	10.00 U	10.00
	08/29/91	F100089REU2	10.00 U	F100090REU2	10.00 U	F100091REU2	10.00 U	10.00
	09/03/91	F100092REU2	10.00 U	F100093REU2	10.00 U	F100094REU2	10.00 U	10.00
	09/10/91	F100098REU2	10.00 U	F100099REU2	10.00 U	F100100REU2	10.00 U	10.00
	09/12/91	F100101REU2	10.00 U	F100102REU2	10.00 U	F100103REU2	10.00 U	10.00
	09/17/91	F100104REU2	10.00 U	F100109REU2	10.00 U	F100106REU2	10.00 U	10.00
	09/19/91	F100108REU2	10.00 U	F100112REU2	10.00 U	F100113REU2	10.00 U	10.00
	09/24/91	F100111REU2	10.00 U	F100115REU2	10.00 U	F100116REU2	10.00 U	10.00
	09/26/91	F100114REU2	10.00 U	F100118REU2	10.00 U	F100119REU2	10.00 U	10.00
	10/01/91	F100117REU2	10.00 U	.	F100121REU2	10.00 U	F100122REU2	10.00 U
	10/03/91	.	.	F100126REU2	10.00 U	F100127REU2	10.00 U	.
	10/08/91	F100126REU2	10.00 U	F100130REU2	10.00 U	F100131REU2	10.00 U	10.00
	10/10/91	F100129REU2	10.00 U	F100134REU2	10.00 U	F100135REU2	10.00 U	10.00
	10/17/91	F100135REU2	10.00 U	F100136REU2	10.00 U	F100137REU2	10.00 U	10.00
	10/21/91	F100166REU2	10.00 U	F100167REU2	10.00 U	F100168REU2	10.00 U	10.00
	10/22/91	F100138REU2	10.00 U	F100139REU2	10.00 U	F100140REU2	10.00 U	10.00
	10/24/91	F100141REU2	10.00 U	F100142REU2	10.00 U	F100143REU2	10.00 U	10.00
	10/29/91	F100144REU2	10.00 U	F100145REU2	10.00 U	F100146REU2	10.00 U	10.00
	11/05/91	F100150REU2	10.00 U	F100151REU2	10.00 U	F100152REU2	10.00 U	10.00
	11/07/91	F100153REU2	10.00 U	F100154REU2	10.00 U	F100155REU2	10.00 U	10.00

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OPERABLE UNIT NO. 2 IM/IRA
CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
4-METHYL-2-PENTANONE:								
	11/12/91	FT00156REU2	10.00 U	FT00157REU2	10.00 U	FT00158REU2	10.00 U	10.00
	11/14/91	FT00163REU2	.	FT00161REU2	10.00 U	FT00162REU2	10.00 U	.
	11/19/91	FT00163REU2	10.00 U	FT00164REU2	10.00 U	FT00165REU2	10.00 U	10.00
	11/27/91	FT00172REU2	10.00 U	.	.	.	.	10.00
	12/03/91	FT00175REU2	10.00 U	FT00176REU2	10.00 U	FT00177REU2	10.00 U	10.00
	12/05/91	FT00178REU2	10.00 U	FT00179REU2	10.00 U	FT00180REU2	10.00 U	10.00
ACETONE:								
	05/29/91	FT00014REU2	10.00 U	FT00015REU2	10.00 U	FT00016REU2	10.00 U	10.00
	06/06/91	FT00025REU2	10.00 U	FT00026REU2	10.00 U	FT00027REU2	10.00 U	10.00
	06/06/91	FT00028REU2	10.00 U	FT00029REU2	10.00 U	FT00030REU2	10.00 U	10.00
	06/11/91	FT00034REU2	10.00 U	FT00035REU2	10.00 U	FT00036REU2	10.00 U	10.00
	06/13/91	FT00037REU2	10.00 U	FT00038REU2	10.00 U	FT00039REU2	10.00 U	10.00
	06/18/91	FT00042REU2	4.00 BJ	FT00043REU2	3.00 BJ	FT00044REU2	4.00 BJ	10.00
	07/18/91	FT00051REU2	22.00 B	FT00052REU2	37.00 B	FT00053REU2	24.00 B	10.00
	07/24/91	FT00054REU2	10.00 U	FT00055REU2	10.00 U	FT00056REU2	10.00 U	10.00
	07/25/91	FT00057REU2	10.00 U	FT00058REU2	3.00 J	FT00059REU2	10.00 U	10.00
	07/31/91	FT00062REU2	10.00 U	FT00063REU2	10.00 U	FT00064REU2	16.00	10.00
	08/01/91	FT00065REU2	10.00 U	FT00066REU2	10.00 U	FT00067REU2	10.00 U	10.00
	08/06/91	FT00068REU2	10.00 U	FT00069REU2	10.00 U	FT00070REU2	10.00 U	10.00
	08/08/91	FT00071REU2	8.00 J	FT00072REU2	7.00 J	FT00073REU2	8.00 J	10.00
	08/13/91	FT00074REU2	16.00 B	FT00075REU2	9.00 BJ	FT00076REU2	15.00 B	10.00
	08/15/91	FT00077REU2	10.00 B	FT00078REU2	13.00 B	FT00079REU2	9.00 BJ	10.00
	08/21/91	FT00080REU2	8.00 BJ	FT00081REU2	9.00 BJ	FT00082REU2	11.00 B	10.00
	08/22/91	FT00083REU2	10.00 U	FT00084REU2	4.00 BJ	FT00085REU2	7.00 BJ	10.00
	08/27/91	FT00086REU2	10.00 U	FT00087REU2	10.00 U	FT00088REU2	10.00 U	10.00
	08/29/91	FT00089REU2	10.00 U	FT00090REU2	10.00 U	FT00091REU2	10.00 U	10.00
	09/03/91	FT00092REU2	10.00 U	FT00093REU2	10.00 U	FT00094REU2	10.00 U	10.00
	09/10/91	FT00098REU2	10.00 U	FT00099REU2	10.00 U	FT00100REU2	10.00 U	10.00

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 APPENDIX A
 OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
ACETONE:								
	09/12/91	FT00101REU2	10.00 U	FT00102REU2	10.00 U	FT00103REU2	10.00 U	10.00
	09/17/91	FT00104REU2	10.00 U	.	.	FT00106REU2	10.00 U	10.00
	09/19/91	FT00108REU2	10.00 U	FT00109REU2	10.00 U	FT00110REU2	10.00 U	10.00
	09/24/91	FT00111REU2	10.00 U	FT00112REU2	10.00 U	FT00113REU2	10.00 U	10.00
	09/26/91	FT00114REU2	10.00 U	FT00115REU2	10.00 U	FT00116REU2	10.00 U	10.00
	10/01/91	FT00117REU2	10.00 U	FT00118REU2	10.00 U	FT00119REU2	10.00 U	10.00
	10/03/91	.	.	FT00121REU2	10.00 U	FT00122REU2	10.00 U	.
	10/08/91	FT00126REU2	10.00 U	FT00127REU2	10.00 U	FT00128REU2	10.00 U	10.00
	10/10/91	FT00129REU2	10.00 U	FT00130REU2	10.00 U	FT00131REU2	10.00 U	10.00
	10/17/91	FT00135REU2	10.00 U	FT00136REU2	10.00 U	FT00137REU2	10.00 U	10.00
	10/21/91	FT00166REU2	4.00 BJ	FT00167REU2	5.00 BJ	FT00168REU2	4.00 BJ	10.00
	10/22/91	FT00138REU2	10.00 U	FT00139REU2	10.00 U	FT00140REU2	10.00 U	10.00
	10/24/91	FT00141REU2	10.00 U	FT00142REU2	10.00 U	FT00143REU2	10.00 U	10.00
	10/29/91	FT00144REU2	10.00 U	FT00145REU2	10.00 U	FT00146REU2	10.00 U	10.00
	11/05/91	FT00150REU2	3.00 J	FT00151REU2	2.00 J	FT00152REU2	10.00 U	10.00
	11/07/91	FT00153REU2	1.00 BJ	FT00154REU2	10.00 U	FT00155REU2	10.00 U	10.00
	11/12/91	FT00156REU2	10.00 U	FT00157REU2	10.00 U	FT00158REU2	10.00 U	10.00
	11/14/91	.	.	FT00161REU2	10.00 U	FT00162REU2	10.00 U	.
	11/19/91	FT00163REU2	10.00 U	FT00164REU2	10.00 U	FT00165REU2	5.00 J	10.00
	11/27/91	FT00172REU2	10.00 U	.	.	.	.	10.00
	12/03/91	FT00175REU2	10.00 U	FT00176REU2	10.00 U	FT00177REU2	10.00 U	10.00
	12/05/91	FT00178REU2	10.00 U	FT00179REU2	10.00 U	FT00180REU2	10.00 U	10.00
BENZENE:								
	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than 10L. . = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA
CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFILIENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
BENZENE:								
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	.	.	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.	.	FT00121REU2	5.00 U	FT00122REU2	5.00 U	.
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00

U = Analyzed but not detected.

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA
CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFILTRANT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
BENZENE :								
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91			FT00161REU2	5.00 U	FT00162REU2	5.00 U	.
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U					5.00
	12/03/91	FT00175REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
BROMODICHLOROMETHANE :								
	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

ClP Volatiles
(Concentration Units ug/L)

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<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
BROMODICHLOROMETHANE:								
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	.	.	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.	.	FT00122REU2	5.00 U	FT00122REU2	5.00 U	.
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	.	.	FT00161REU2	5.00 U	FT00162REU2	5.00 U	.
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	.	.	.	.	5.00
	12/03/91	FT00175REU2	1.00 J	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
BROMOFORM:	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00

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OPERABLE UNIT NO. 2 IM/IRA
CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFILTRANT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
BROMOFORM:								
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
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	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
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	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
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	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
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	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	FT00105REU2	5.00 U	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.	.	FT00121REU2	5.00 U	FT00122REU2	5.00 U	.
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00

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OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
BROMOFORM:								
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	1.00 J	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	FT00161REU2	5.00 U	FT00164REU2	5.00 U	FT00162REU2	5.00 U	5.00
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/03/91	FT00175REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
	12/05/91	FT00178REU2						
BROMOMETHANE:								
	05/29/91	FT00014REU2	10.00 U	FT00015REU2	10.00 U	FT00016REU2	10.00 U	10.00
	06/06/91	FT00025REU2	10.00 U	FT00026REU2	10.00 U	FT00027REU2	10.00 U	10.00
	06/06/91	FT00028REU2	10.00 U	FT00029REU2	10.00 U	FT00030REU2	10.00 U	10.00
	06/11/91	FT00034REU2	10.00 U	FT00035REU2	10.00 U	FT00036REU2	10.00 U	10.00
	06/13/91	FT00037REU2	10.00 U	FT00038REU2	10.00 U	FT00039REU2	10.00 U	10.00
	06/18/91	FT00042REU2	10.00 U	FT00043REU2	10.00 U	FT00044REU2	10.00 U	10.00
	07/18/91	FT00051REU2	10.00 U	FT00052REU2	10.00 U	FT00053REU2	10.00 U	10.00
	07/24/91	FT00054REU2	10.00 U	FT00055REU2	10.00 U	FT00056REU2	10.00 U	10.00
	07/25/91	FT00057REU2	10.00 U	FT00058REU2	10.00 U	FT00059REU2	10.00 U	10.00
	07/31/91	FT00062REU2	10.00 U	FT00063REU2	10.00 U	FT00064REU2	10.00 U	10.00
	08/01/91	FT00065REU2	10.00 U	FT00066REU2	10.00 U	FT00067REU2	10.00 U	10.00
	08/06/91	FT00068REU2	10.00 U	FT00069REU2	10.00 U	FT00070REU2	10.00 U	10.00
	08/08/91	FT00071REU2	10.00 U	FT00072REU2	10.00 U	FT00073REU2	10.00 U	10.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/1RA

CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
BROMOMETHANE:								
	08/13/91	FT00074REU2	10.00 U	FT00075REU2	10.00 U	FT00076REU2	10.00 U	10.00
	08/15/91	FT00077REU2	10.00 U	FT00078REU2	10.00 U	FT00079REU2	10.00 U	10.00
	08/21/91	FT00080REU2	10.00 U	FT00081REU2	10.00 U	FT00082REU2	10.00 U	10.00
	08/22/91	FT00083REU2	10.00 U	FT00084REU2	10.00 U	FT00085REU2	10.00 U	10.00
	08/27/91	FT00086REU2	10.00 U	FT00087REU2	10.00 U	FT00088REU2	10.00 U	10.00
	08/29/91	FT00089REU2	10.00 U	FT00090REU2	10.00 U	FT00091REU2	10.00 U	10.00
	09/03/91	FT00092REU2	10.00 U	FT00093REU2	10.00 U	FT00094REU2	10.00 U	10.00
	09/10/91	FT00098REU2	10.00 U	FT00099REU2	10.00 U	FT00100REU2	10.00 U	10.00
	09/12/91	FT00101REU2	10.00 U	FT00102REU2	10.00 U	FT00103REU2	10.00 U	10.00
	09/17/91	FT00104REU2	10.00 U	.	.	FT00106REU2	10.00 U	10.00
	09/19/91	FT00108REU2	10.00 U	FT00109REU2	10.00 U	FT00110REU2	10.00 U	10.00
	09/24/91	FT00111REU2	10.00 U	FT00112REU2	10.00 U	FT00113REU2	10.00 U	10.00
	09/26/91	FT00114REU2	10.00 U	FT00115REU2	10.00 U	FT00116REU2	10.00 U	10.00
	10/01/91	FT00117REU2	10.00 U	FT00118REU2	10.00 U	FT00119REU2	10.00 U	10.00
	10/03/91	.	.	FT00121REU2	10.00 U	FT00122REU2	10.00 U	.
	10/08/91	FT00126REU2	10.00 U	FT00127REU2	10.00 U	FT00128REU2	10.00 U	10.00
	10/10/91	FT00129REU2	10.00 U	FT00130REU2	10.00 U	FT00131REU2	10.00 U	10.00
	10/17/91	FT00135REU2	10.00 U	FT00136REU2	10.00 U	FT00137REU2	10.00 U	10.00
	10/21/91	FT00166REU2	10.00 U	FT00167REU2	10.00 U	FT00168REU2	10.00 U	10.00
	10/22/91	FT00138REU2	10.00 U	FT00139REU2	10.00 U	FT00140REU2	10.00 U	10.00
	10/24/91	FT00141REU2	10.00 U	FT00142REU2	10.00 U	FT00143REU2	10.00 U	10.00
	10/29/91	FT00144REU2	10.00 U	FT00145REU2	10.00 U	FT00146REU2	10.00 U	10.00
	11/05/91	FT00150REU2	10.00 U	FT00151REU2	10.00 U	FT00152REU2	10.00 U	10.00
	11/07/91	FT00153REU2	10.00 U	FT00154REU2	10.00 U	FT00155REU2	10.00 U	10.00
	11/12/91	FT00156REU2	10.00 U	FT00157REU2	10.00 U	FT00158REU2	10.00 U	10.00
	11/14/91	.	.	FT00161REU2	10.00 U	FT00162REU2	10.00 U	.
	11/19/91	FT00163REU2	10.00 U	FT00164REU2	10.00 U	FT00165REU2	10.00 U	10.00
	11/27/91	FT00172REU2	10.00 U	.	.	.	.	10.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

**APPENDIX A
OPERABLE UNIT NO. 2 IM/IR**

CLP Volatiles (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
AROMOMETHANE:									
12/03/91	FT00175REU2		10.00 U	FT00176REU2	10.00 U	FT00177REU2	10.00 U	10.00	10.00
12/05/91	FT00178REU2		10.00 U	FT00179REU2	10.00 U	FT00180REU2	10.00 U	10.00	10.00
05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00	5.00	5.00
06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00	5.00	5.00
06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00	5.00	5.00
06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00	5.00	5.00
06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00	5.00	5.00
06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00	5.00	5.00
07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00	5.00	5.00
07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00	5.00	5.00
07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00	5.00	5.00
07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00	5.00	5.00
08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00	5.00	5.00
08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00	5.00	5.00
08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00	5.00	5.00
08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00	5.00	5.00
08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00	5.00	5.00
08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00	5.00	5.00
08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00	5.00	5.00
08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00	5.00	5.00
08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00	5.00	5.00
09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00	5.00	5.00
09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00	5.00	5.00
09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00	5.00	5.00
09/17/91	FT00104REU2	5.00 U							
09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00	5.00	5.00
09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00	5.00	5.00

B = Analyte is found in the associated blank as well as the sample
U = Analyzed but not detected.

$E = \text{Concentration}$ exceeds the calibration range of the instrument

Documented value is less than FDI but greater than IDI = Missing

J = Reported Value is less than CRL, but greater than IBL.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA
CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
CARBON DISULFIDE:								
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91			FT00121REU2	5.00 U	FT00122REU2	5.00 U	-
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91			FT00161REU2	5.00 U	FT00162REU2	5.00 U	-
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U					5.00
	12/03/91	FT00175REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
CARBON TETRACHLORIDE:								
	05/29/91	FT00014REU2	3.00 J	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00028REU2	4.00 J	FT00029REU2	1.00 J	FT00027REU2	5.00 U	5.00
	06/06/91	FT00025REU2	6.00	FT00026REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00	FT00035REU2	5.00 U	FT00036REU2	2.00 J	5.00
	06/13/91	FT00037REU2	3.00 J	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	2.00 J	FT00043REU2	1.00 J	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	4.00 J	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	2.00 J	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	3.00 J	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample.

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>	
CARBON TETRACHLORIDE:									
	07/31/91	FT00062REU2	5.00	FT00063REU2	5.00	U	FT00064REU2	5.00	
	08/01/91	FT00065REU2	4.00	J	FT00066REU2	5.00	U	FT00067REU2	1.00
	08/06/91	FT00068REU2	5.00	U	FT00069REU2	2.00	J	FT00070REU2	2.00
	08/08/91	FT00071REU2	4.00	J	FT00072REU2	2.00	J	FT00073REU2	5.00
	08/13/91	FT00074REU2	6.00		FT00075REU2	4.00	J	FT00076REU2	1.00
	08/15/91	FT00077REU2	8.00		FT00078REU2	4.00	J	FT00079REU2	2.00
	08/21/91	FT00080REU2	5.00		FT00081REU2	3.00	J	FT00082REU2	1.00
	08/22/91	FT00083REU2	6.00		FT00084REU2	2.00	J	FT00085REU2	5.00
	08/27/91	FT00086REU2	8.00		FT00087REU2	4.00	J	FT00088REU2	1.00
	08/29/91	FT00089REU2	5.00	U	FT00090REU2	3.00	J	FT00091REU2	2.00
	09/03/91	FT00092REU2	6.00		FT00093REU2	5.00	U	FT00094REU2	5.00
	09/10/91	FT00098REU2	5.00		FT00099REU2	5.00	J	FT00100REU2	1.00
	09/12/91	FT00101REU2	7.00		FT00102REU2	3.00	J	FT00103REU2	5.00
	09/17/91	FT00104REU2	6.00			.		FT00106REU2	5.00
	09/19/91	FT00108REU2	5.00	U	FT00109REU2	5.00	U	FT00110REU2	5.00
	09/24/91	FT00111REU2	7.00		FT00112REU2	5.00	U	FT00113REU2	5.00
	09/26/91	FT00114REU2	7.00		FT00115REU2	1.00	J	FT00116REU2	5.00
	10/01/91	FT00117REU2	5.00		FT00118REU2	2.00	J	FT00119REU2	5.00
	10/03/91		.		FT00121REU2	5.00	U	FT00122REU2	5.00
	10/08/91	FT00126REU2	6.00		FT00127REU2	5.00	U	FT00128REU2	5.00
	10/10/91	FT00129REU2	8.00		FT00130REU2	5.00	U	FT00131REU2	5.00
	10/17/91	FT00135REU2	7.00		FT00136REU2	5.00	U	FT00137REU2	5.00
	10/21/91	FT00166REU2	2.00	J	FT00167REU2	3.00	J	FT00168REU2	2.00
	10/22/91	FT00138REU2	6.00		FT00139REU2	1.00	J	FT00140REU2	5.00
	10/24/91	FT00141REU2	5.00		FT00142REU2	1.00	J	FT00143REU2	5.00
	10/29/91	FT00144REU2	6.00		FT00145REU2	3.00	J	FT00146REU2	5.00
	11/05/91	FT00150REU2	3.00	J	FT00151REU2	2.00	J	FT00152REU2	5.00
	11/07/91	FT00153REU2	3.00	J	FT00154REU2	2.00	J	FT00155REU2	2.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than 10L . = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
CARBON TETRACHLORIDE:								
	11/12/91	FT00156REU2	6.00	FT00157REU2	3.00 J	FT00158REU2	5.00 U	5.00
	11/14/91	FT00163REU2	2.00 J	FT00161REU2	5.00	FT00162REU2	2.00 J	
	11/19/91	FT00172REU2	5.00	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00175REU2	3.00 J	FT00176REU2	3.00 J	FT00177REU2	1.00 J	5.00
	12/03/91	FT00178REU2	8.00	FT00179REU2	8.00	FT00180REU2	5.00	5.00
CHLOROBENZENE:								
	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00022REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00057REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00058REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample.

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
CHLOROBENZENE:								
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	FT00109REU2	5.00 U	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00112REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00115REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00118REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00121REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.	.	FT00122REU2	5.00 U	FT00124REU2	5.00 U	.
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	.	.	FT00161REU2	5.00 U	FT00162REU2	5.00 U	.
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	.	.	.	.	5.00
	12/03/91	FT00175REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
CHLOROETHANE:								
	05/29/91	FT00014REU2	10.00 U	FT00015REU2	10.00 U	FT00016REU2	10.00 U	10.00
	06/06/91	FT00025REU2	10.00 U	FT00026REU2	10.00 U	FT00027REU2	10.00 U	10.00
	06/06/91	FT00028REU2	10.00 U	FT00029REU2	10.00 U	FT00030REU2	10.00 U	10.00
	06/11/91	FT00034REU2	10.00 U	FT00035REU2	10.00 U	FT00036REU2	10.00 U	10.00
	06/13/91	FT00037REU2	10.00 U	FT00038REU2	10.00 U	FT00039REU2	10.00 U	10.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

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CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
CHLOROETHANE:								
	06/18/91	FT00042REU2	10.00	U	FT00043REU2	10.00	U	FT00044REU2
	07/18/91	FT00051REU2	10.00	U	FT00052REU2	10.00	U	FT00053REU2
	07/24/91	FT00054REU2	10.00	U	FT00055REU2	10.00	U	FT00056REU2
	07/25/91	FT00057REU2	10.00	U	FT00058REU2	10.00	U	FT00059REU2
	07/31/91	FT00062REU2	10.00	U	FT00063REU2	10.00	U	FT00064REU2
	08/01/91	FT00065REU2	10.00	U	FT00066REU2	10.00	U	FT00067REU2
	08/06/91	FT00068REU2	10.00	U	FT00069REU2	10.00	U	FT00070REU2
	08/08/91	FT00071REU2	10.00	U	FT00072REU2	10.00	U	FT00073REU2
	08/13/91	FT00074REU2	10.00	U	FT00075REU2	10.00	U	FT00076REU2
	08/15/91	FT00077REU2	10.00	U	FT00078REU2	10.00	U	FT00079REU2
	08/21/91	FT00080REU2	10.00	U	FT00081REU2	10.00	U	FT00082REU2
	08/22/91	FT00083REU2	10.00	U	FT00084REU2	10.00	U	FT00085REU2
	08/27/91	FT00086REU2	10.00	U	FT00087REU2	10.00	U	FT00088REU2
	08/29/91	FT00088REU2	10.00	U	FT00090REU2	10.00	U	FT00091REU2
	09/03/91	FT00092REU2	10.00	U	FT00093REU2	10.00	U	FT00094REU2
	09/10/91	FT00098REU2	10.00	U	FT00099REU2	10.00	U	FT00100REU2
	09/12/91	FT00101REU2	10.00	U	FT00102REU2	10.00	U	FT00103REU2
	09/17/91	FT00104REU2	10.00	U	FT00115REU2	10.00	U	FT00106REU2
	09/19/91	FT00108REU2	10.00	U	FT00109REU2	10.00	U	FT00110REU2
	10/01/91	FT00111REU2	10.00	U	FT00112REU2	10.00	U	FT00113REU2
	10/03/91	FT00114REU2	10.00	U	FT00115REU2	10.00	U	FT00116REU2
	10/08/91	FT00126REU2	10.00	U	FT00127REU2	10.00	U	FT00128REU2
	10/10/91	FT00129REU2	10.00	U	FT00130REU2	10.00	U	FT00131REU2
	10/17/91	FT00135REU2	10.00	U	FT00136REU2	10.00	U	FT00137REU2
	10/21/91	FT00166REU2	10.00	U	FT00167REU2	10.00	U	FT00168REU2
	10/22/91	FT00138REU2	10.00	U	FT00139REU2	10.00	U	FT00140REU2

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 APPENDIX A
 OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
CHLOROETHANE:								
	10/24/91	FT00141REU2	10.00 U	FT00142REU2	10.00 U	FT00143REU2	10.00 U	10.00
	10/29/91	FT00144REU2	10.00 U	FT00145REU2	10.00 U	FT00146REU2	10.00 U	10.00
	11/05/91	FT00150REU2	10.00 U	FT00151REU2	10.00 U	FT00152REU2	10.00 U	10.00
	11/07/91	FT00153REU2	10.00 U	FT00154REU2	10.00 U	FT00155REU2	10.00 U	10.00
	11/12/91	FT00156REU2	10.00 U	FT00157REU2	10.00 U	FT00158REU2	10.00 U	10.00
	11/14/91	FT00163REU2	10.00 U	FT00161REU2	10.00 U	FT00162REU2	10.00 U	.
	11/19/91	FT00172REU2	10.00 U	FT00164REU2	10.00 U	FT00165REU2	10.00 U	10.00
	11/27/91	FT00175REU2	10.00 U	FT00176REU2	10.00 U	FT00177REU2	10.00 U	10.00
	12/03/91	FT00178REU2	10.00 U	FT00179REU2	10.00 U	FT00180REU2	10.00 U	10.00
	12/05/91							
CHLOROFORM:								
	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00025REU2	2.00 J	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	2.00 J	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	1.00 J	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	1.00 J	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	1.00 J	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	1.00 J	FT00070REU2	1.00 J	5.00
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	2.00 J	FT00075REU2	1.00 J	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	2.00 J	FT00078REU2	2.00 J	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	2.00 J	FT00081REU2	1.00 J	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	1.00 J	FT00084REU2	1.00 J	FT00085REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

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APPENDIX A
OPERABLE UNIT NO. 2 IM/TRA

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CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
CHLOROFORM:								
	08/27/91	FT00086REU2	2.00 J	FT00087REU2	2.00 J	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	1.00 J	FT00091REU2	1.00 J	5.00
	09/03/91	FT00092REU2	2.00 J	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	2.00 J	FT00099REU2	2.00 J	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	2.00 J	FT00102REU2	1.00 J	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	2.00 J	.	.	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	2.00 J	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	2.00 J	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	1.00 J	FT00118REU2	1.00 J	FT00119REU2	5.00 U	5.00
	10/03/91	.	.	FT00121REU2	1.00 J	FT00122REU2	5.00 U	.
	10/08/91	FT00126REU2	2.00 J	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	3.00 J	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	2.00 J	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	1.00 J	FT00167REU2	5.00 U	FT00168REU2	1.00 J	5.00
	10/22/91	FT00138REU2	2.00 J	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	2.00 J	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	2.00 J	FT00145REU2	1.00 J	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	1.00 J	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	1.00 J	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	2.00 J	FT00157REU2	1.00 J	FT00158REU2	5.00 U	5.00
	11/14/91	.	.	FT00161REU2	2.00 J	FT00162REU2	5.00 U	.
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	1.00 J	.	.	.	.	5.00
	12/03/91	FT00175REU2	11.00	FT00176REU2	7.00	FT00177REU2	2.00 J	5.00
	12/05/91	FT00178REU2	1.00 J	FT00179REU2	2.00 J	FT00180REU2	1.00 J	5.00
CHLOROMETHANE:								
	05/29/91	FT00014REU2	10.00 U	FT00015REU2	10.00 U	FT00016REU2	10.00 U	10.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample.

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than 10L. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
CHLOROMETHANE:								
06/06/91	FT00025REU2	10.00	U	FT00026REU2	10.00	U	FT00027REU2	10.00
06/06/91	FT00028REU2	10.00	U	FT00029REU2	10.00	U	FT00030REU2	10.00
06/11/91	FT00034REU2	10.00	U	FT00035REU2	10.00	U	FT00036REU2	10.00
06/13/91	FT00037REU2	10.00	U	FT00038REU2	10.00	U	FT00039REU2	10.00
06/18/91	FT00042REU2	10.00	U	FT00043REU2	10.00	U	FT00044REU2	10.00
07/18/91	FT00051REU2	10.00	U	FT00052REU2	10.00	U	FT00053REU2	10.00
07/24/91	FT00054REU2	10.00	U	FT00055REU2	10.00	U	FT00056REU2	10.00
07/25/91	FT00057REU2	10.00	U	FT00058REU2	10.00	U	FT00059REU2	10.00
07/31/91	FT00062REU2	10.00	U	FT00063REU2	10.00	U	FT00064REU2	10.00
08/01/91	FT00065REU2	10.00	U	FT00066REU2	10.00	U	FT00067REU2	10.00
08/06/91	FT00068REU2	10.00	U	FT00069REU2	10.00	U	FT00070REU2	10.00
08/08/91	FT00071REU2	10.00	U	FT00072REU2	10.00	U	FT00073REU2	10.00
08/13/91	FT00074REU2	10.00	U	FT00075REU2	10.00	U	FT00076REU2	10.00
08/15/91	FT00077REU2	10.00	U	FT00078REU2	10.00	U	FT00079REU2	10.00
08/21/91	FT00080REU2	10.00	U	FT00081REU2	10.00	U	FT00082REU2	10.00
08/22/91	FT00083REU2	10.00	U	FT00084REU2	10.00	U	FT00085REU2	10.00
08/27/91	FT00086REU2	10.00	U	FT00087REU2	10.00	U	FT00088REU2	10.00
08/29/91	FT00089REU2	10.00	U	FT00090REU2	10.00	U	FT00091REU2	10.00
09/03/91	FT00092REU2	10.00	U	FT00093REU2	10.00	U	FT00094REU2	10.00
09/10/91	FT00098REU2	10.00	U	FT00099REU2	10.00	U	FT00100REU2	10.00
09/12/91	FT00101REU2	10.00	U	FT00102REU2	10.00	U	FT00103REU2	10.00
09/17/91	FT00104REU2	10.00	U	.	.		FT00106REU2	10.00
09/19/91	FT00108REU2	10.00	U	FT00109REU2	10.00	U	FT00110REU2	10.00
09/24/91	FT00111REU2	10.00	U	FT00112REU2	10.00	U	FT00113REU2	10.00
09/26/91	FT00114REU2	10.00	U	FT00115REU2	10.00	U	FT00116REU2	10.00
10/01/91	FT00117REU2	10.00	U	FT00118REU2	10.00	U	FT00119REU2	10.00
10/03/91	.	.		FT00121REU2	10.00	U	FT00122REU2	10.00
10/08/91	FT00126REU2	10.00	U	FT00127REU2	10.00	U	FT00128REU2	10.00

U = Analyzed but not detected.

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL.

D = Identification of an analysis at a secondary dilution factor.

B = Analyte is found in the associated blank as well as the sample

J = Missing.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
CHLOROMETHANE:								
	10/10/91	FT00129REU2	10.00 U	FT00130REU2	10.00 U	FT00131REU2	10.00 U	10.00
	10/17/91	FT00135REU2	10.00 U	FT00136REU2	10.00 U	FT00137REU2	10.00 U	10.00
	10/21/91	FT00166REU2	10.00 U	FT00167REU2	10.00 U	FT00168REU2	10.00 U	10.00
	10/22/91	FT00138REU2	10.00 U	FT00139REU2	10.00 U	FT00140REU2	10.00 U	10.00
	10/24/91	FT00141REU2	10.00 U	FT00142REU2	10.00 U	FT00143REU2	10.00 U	10.00
	10/29/91	FT00144REU2	10.00 U	FT00145REU2	10.00 U	FT00146REU2	10.00 U	10.00
	11/05/91	FT00150REU2	10.00 U	FT00151REU2	10.00 U	FT00152REU2	10.00 U	10.00
	11/07/91	FT00153REU2	10.00 U	FT00154REU2	10.00 U	FT00155REU2	10.00 U	10.00
	11/12/91	FT00156REU2	10.00 U	FT00157REU2	10.00 U	FT00158REU2	10.00 U	10.00
	11/14/91	.	.	FT00161REU2	10.00 U	FT00162REU2	10.00 U	.
	11/19/91	FT00163REU2	10.00 U	FT00164REU2	10.00 U	FT00165REU2	10.00 U	10.00
	11/27/91	FT00172REU2	10.00 U	.	.	.	.	10.00
	12/03/91	FT00175REU2	10.00 U	FT00176REU2	10.00 U	FT00177REU2	10.00 U	10.00
	12/05/91	FT00178REU2	10.00 U	FT00179REU2	10.00 U	FT00180REU2	10.00 U	10.00
DIBROMOCHLOROMETHANE:								
	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. . = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

PAGE 36

CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
DIBROMOCHLORMETHANE:								
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	.	.	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.	.	FT00121REU2	5.00 U	FT00122REU2	5.00 U	.
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	.	.	FT00161REU2	5.00 U	FT00162REU2	5.00 U	.
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	.	.	.	.	.

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
(Concentration Units ug/L)

PAGE 37

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
DIBROMOCHLOROMETHANE:	12/03/91	FT000175REU2	5.00 U	FT000176REU2	5.00 U	FT000177REU2	5.00 U	5.00
	12/05/91	FT000178REU2	5.00 U	FT000179REU2	5.00 U	FT000180REU2	5.00 U	5.00
ETHYLBENZENE:	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	.		FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00

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CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
ETHYLBENZENE:								
09/26/91		FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
10/01/91		FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
10/03/91				FT00121REU2	5.00 U	FT00122REU2	5.00 U	.
10/08/91		FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
10/10/91		FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
10/17/91		FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
10/21/91		FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
10/22/91		FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
10/24/91		FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
10/29/91		FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
11/05/91		FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
11/07/91		FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
11/12/91		FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
11/14/91				FT00161REU2	5.00 U	FT00162REU2	5.00 U	.
11/19/91		FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
11/27/91		FT00172REU2	5.00 U	.	.	.	.	5.00
12/03/91		FT00175REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
12/05/91		FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
METHYLENE CHLORIDE:								
05/29/91		FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	1.00 U	5.00
06/06/91		FT00025REU2	1.00 BJ	FT00029REU2	1.00 BJ	FT00030REU2	1.00 BJ	5.00
06/06/91		FT00028REU2	1.00 BJ	FT00026REU2	5.00 U	FT00027REU2	4.00 BJ	5.00
06/11/91		FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	1.00 BJ	5.00
06/13/91		FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
06/18/91		FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
07/18/91		FT00051REU2	2.00 BJ	FT00052REU2	5.00 U	FT00053REU2	3.00 BJ	5.00
07/24/91		FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
07/25/91		FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00

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CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
METHYLENE CHLORIDE:								
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	1.00 J	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
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	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	2.00 BJ	5.00
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	4.00 BJ	FT00090REU2	5.00 U	FT00091REU2	1.00 BJ	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	2.00 BJ	FT00099REU2	3.00 BJ	FT00100REU2	2.00 BJ	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U			FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91			FT00121REU2	5.00 U	FT00122REU2	5.00 U	5.00
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	1.00 BJ	FT00168REU2	1.00 BJ	5.00
	10/22/91	FT00138REU2	2.00 J	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00

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PAGE 40

CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>EFFECTIVE CONCENTRATION</u>	<u>DETECTION LIMIT</u>
METHYLENE CHLORIDE:							
	11/12/91	FT00156REU2	2.00 BJ	FT00157REU2	2.00 BJ	FT00158REU2	3.00 BJ
	11/14/91	FT00163REU2	3.00 BJ	FT00161REU2	5.00 U	FT00162REU2	5.00 U
	11/19/91	FT00172REU2	1.00 BJ	FT00164REU2	2.00 BJ	FT00165REU2	2.00 BJ
	11/27/91	FT00175REU2	5.00 U	FT00176REU2	2.00 J	FT00177REU2	2.00 J
	12/03/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U
STYRENE:							
	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U
	07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA
CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
STYRENE:								
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	FT00109REU2	5.00 U	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00112REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00115REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00118REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00121REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.		FT00122REU2	5.00 U	FT00124REU2	5.00 U	5.00
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	.		FT00161REU2	5.00 U	FT00162REU2	5.00 U	5.00
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	.		.		5.00
	12/03/91	FT00175REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
TETRACHLOROETHENE:								
	05/29/91	FT00014REU2	2.00 J	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00025REU2	5.00	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	2.00 J	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than TCDL, but greater than IDL. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

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 APPENDIX A
 OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
TETRACHLOROETHENE:								
	06/18/91	FT00042REU2	2.00 J	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	3.00 J	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	3.00 J	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	2.00 J	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	3.00 J	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	4.00 J	FT00075REU2	1.00 J	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	6.00	FT00078REU2	1.00 J	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	3.00 J	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	4.00 J	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	5.00	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	3.00 J	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	2.00 J	FT00099REU2	2.00 J	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	11.00	FT00102REU2	2.00 J	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	3.00 J	.	.	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	3.00 J	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	4.00 J	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	9.00	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.	.	FT00121REU2	5.00 U	FT00122REU2	5.00 U	.
	10/08/91	FT00126REU2	4.00 J	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00	FT00167REU2	8.00	FT00168REU2	6.00	5.00
	10/22/91	FT00138REU2	4.00 J	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
TETRACHLOROETHENE:								
	10/24/91	FT00141REU2	3.00 J	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	20.00	FT00145REU2	5.00	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00	FT00151REU2	2.00 J	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	12.00	FT00154REU2	4.00 J	FT00155REU2	5.00	5.00
	11/12/91	FT00156REU2	4.00 J	FT00157REU2	1.00 J	FT00158REU2	5.00 U	5.00
	11/14/91	.	.	FT00161REU2	4.00 J	FT00162REU2	5.00 U	.
	11/19/91	FT00163REU2	8.00	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	6.00	.	.	.	.	5.00
	12/03/91	FT00175REU2	2.00 J	FT00176REU2	1.00 J	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00	FT00179REU2	5.00	FT00180REU2	2.00 J	5.00
TOLUENE:								
	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
 (Concentration Units ug/L)

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<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
TOLUENE :								
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	.	.	FT00105REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.	.	FT00121REU2	5.00 U	FT00122REU2	5.00 U	.
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	1.00 J	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	.	.	FT00161REU2	5.00 U	FT00162REU2	5.00 U	.
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	.	.	.	.	5.00
	12/03/91	FT00175REU2	1.00 J	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
TOTAL XYLEMES:								
	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

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APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA
CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
TOTAL XYLEMES:								
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	FT00105REU2	5.00 U	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	FT00121REU2	5.00 U	FT00122REU2	5.00 U	FT00123REU2	5.00 U	.
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00

U = Analyzed but not detected.

B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. . = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRACLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
TOTAL XYLENES:								
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	.	.	FT00161REU2	5.00 U	FT00162REU2	5.00 U	5.00
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	.	.	.	.	5.00
	12/03/91	FT00175REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
TRICHLOROETHENE:								
	05/29/91	FT00014REU2	3.00 J	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00028REU2	8.00	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00025REU2	9.00	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00
	06/11/91	FT00034REU2	6.00	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	4.00 J	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	2.00 J	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	3.00 J	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	3.00 J	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	4.00 J	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	4.00 J	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	1.00 J	FT00070REU2	1.00 J	5.00
	08/08/91	FT00071REU2	3.00 J	FT00072REU2	1.00 J	FT00073REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample.

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than 10L. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

**APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA**

CLP Volatiles (Concentration Units ug/L)

ANALYTE	SAMPLE DATE	INFLUENT SAMPLE NUMBER	INFLUENT CONCENTRATION	BETWEEN GAC SAMPLE NUMBER	BETWEEN GAC CONCENTRATION	EFFLUENT SAMPLE NUMBER	EFFLUENT CONCENTRATION	DETECTION LIMIT
RICHCHLOROETHENE:								
	08/13/91	FT00074REU2	5.00	FT00075REU2	2.00 J	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	8.00	FT00078REU2	2.00 J	FT00079REU2	1.00 J	5.00
	08/21/91	FT00080REU2	4.00 J	FT00081REU2	1.00 J	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	4.00 J	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	6.00	FT00087REU2	1.00 J	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	1.00 J	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	4.00 J	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	6.00	FT00099REU2	3.00 J	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	9.00	FT00102REU2	2.00 J	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	3.00 J	.	.	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	4.00 J	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	7.00	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.	.	FT00112REU2	5.00 U	FT00112REU2	5.00 U	5.00
	10/08/91	FT00126REU2	5.00	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	6.00	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00166REU2	5.00	FT00167REU2	8.00	FT00168REU2	6.00	5.00
	10/22/91	FT00138REU2	4.00 J	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	11.00	FT00145REU2	3.00 J	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	3.00 J	FT00151REU2	1.00 J	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	8.00	FT00154REU2	3.00 J	FT00155REU2	4.00 J	5.00
	11/12/91	FT00156REU2	5.00	FT00157REU2	2.00 J	FT00158REU2	5.00 U	5.00
	11/14/91	.	.	FT00161REU2	5.00	FT00162REU2	1.00 J	5.00
	11/19/91	FT00163REU2	6.00	FT00164REU2	5.00 U	FT00165REU2	6.00	5.00
	11/27/91	FT00172REU2						

$B = \text{Anal}$ - Vte is found in the associated blank as well as the sample.

$C_e =$ Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. - = Missing.

σ_2 = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
TRICHLOROETHENE:	12/03/91	FT000175REU2	2.00 J	FT00176REU2	2.00 J	FT00177REU2	5.00 U	5.00
	12/05/91	FT000178REU2	7.00	FT00179REU2	6.00	FT00180REU2	3.00 J	5.00
VINYL ACETATE:	05/29/91	FT00014REU2	10.00 U	FT00015REU2	10.00 U	FT00016REU2	10.00 U	10.00
	06/06/91	FT00025REU2	10.00 U	FT00026REU2	10.00 U	FT00027REU2	10.00 U	10.00
	06/06/91	FT00028REU2	10.00 U	FT00029REU2	10.00 U	FT00030REU2	10.00 U	10.00
	06/11/91	FT00034REU2	10.00 U	FT00035REU2	10.00 U	FT00036REU2	10.00 U	10.00
	06/13/91	FT00037REU2	10.00 U	FT00038REU2	10.00 U	FT00039REU2	10.00 U	10.00
	06/18/91	FT00042REU2	10.00 U	FT00043REU2	10.00 U	FT00044REU2	10.00 U	10.00
	07/18/91	FT00051REU2	10.00 U	FT00052REU2	10.00 U	FT00053REU2	10.00 U	10.00
	07/24/91	FT00054REU2	10.00 U	FT00055REU2	10.00 U	FT00056REU2	10.00 U	10.00
	07/25/91	FT00057REU2	10.00 U	FT00058REU2	10.00 U	FT00059REU2	10.00 U	10.00
	07/31/91	FT00062REU2	10.00 U	FT00063REU2	10.00 U	FT00064REU2	10.00 U	10.00
	08/01/91	FT00065REU2	10.00 U	FT00066REU2	10.00 U	FT00067REU2	10.00 U	10.00
	08/06/91	FT00068REU2	10.00 U	FT00069REU2	10.00 U	FT00070REU2	10.00 U	10.00
	08/08/91	FT00071REU2	10.00 U	FT00072REU2	10.00 U	FT00073REU2	10.00 U	10.00
	08/13/91	FT00074REU2	10.00 U	FT00075REU2	10.00 U	FT00076REU2	10.00 U	10.00
	08/15/91	FT00077REU2	10.00 U	FT00078REU2	10.00 U	FT00079REU2	10.00 U	10.00
	08/21/91	FT00080REU2	10.00 U	FT00081REU2	10.00 U	FT00082REU2	10.00 U	10.00
	08/22/91	FT00083REU2	10.00 U	FT00084REU2	10.00 U	FT00085REU2	10.00 U	10.00
	08/27/91	FT00086REU2	10.00 U	FT00087REU2	10.00 U	FT00088REU2	10.00 U	10.00
	08/29/91	FT00089REU2	10.00 U	FT00090REU2	10.00 U	FT00091REU2	10.00 U	10.00
	09/03/91	FT00092REU2	10.00 U	FT00093REU2	10.00 U	FT00094REU2	10.00 U	10.00
	09/10/91	FT00098REU2	10.00 U	FT00099REU2	10.00 U	FT00100REU2	10.00 U	10.00
	09/12/91	FT00101REU2	10.00 U	FT00102REU2	10.00 U	FT00103REU2	10.00 U	10.00
	09/17/91	FT00104REU2	10.00 U	.	.	FT00106REU2	10.00 U	10.00
	09/19/91	FT00108REU2	10.00 U	FT00109REU2	10.00 U	FT00110REU2	10.00 U	10.00
	09/24/91	FT00111REU2	10.00 U	FT00112REU2	10.00 U	FT00113REU2	10.00 U	10.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
VINYL ACETATE:								
	09/26/91	FT00114REU2	10.00 U	FT00115REU2	10.00 U	FT00116REU2	10.00 U	10.00
	10/01/91	FT00117REU2	10.00 U	FT00118REU2	10.00 U	FT00119REU2	10.00 U	10.00
	10/03/91			FT00121REU2	10.00 U	FT00122REU2	10.00 U	.
	10/08/91	FT00126REU2	10.00 U	FT00127REU2	10.00 U	FT00129REU2	10.00 U	10.00
	10/10/91	FT00129REU2	10.00 U	FT00130REU2	10.00 U	FT00131REU2	10.00 U	10.00
	10/17/91	FT00135REU2	10.00 U	FT00136REU2	10.00 U	FT00137REU2	10.00 U	10.00
	10/21/91	FT00166REU2	10.00 U	FT00167REU2	10.00 U	FT00168REU2	10.00 U	10.00
	10/22/91	FT00138REU2	10.00 U	FT00139REU2	10.00 U	FT00140REU2	10.00 U	10.00
	10/24/91	FT00141REU2	10.00 U	FT00142REU2	10.00 U	FT00143REU2	10.00 U	10.00
	10/29/91	FT00144REU2	10.00 U	FT00145REU2	10.00 U	FT00146REU2	10.00 U	10.00
	11/05/91	FT00150REU2	10.00 U	FT00151REU2	10.00 U	FT00152REU2	10.00 U	10.00
	11/07/91	FT00153REU2	10.00 U	FT00154REU2	10.00 U	FT00155REU2	10.00 U	10.00
	11/12/91	FT00156REU2	10.00 U	FT00157REU2	10.00 U	FT00158REU2	10.00 U	10.00
	11/14/91			FT00161REU2	10.00 U	FT00162REU2	10.00 U	.
	11/19/91	FT00163REU2	10.00 U	FT00164REU2	10.00 U	FT00165REU2	10.00 U	10.00
	11/27/91	FT00172REU2	10.00 U			.		10.00
	12/03/91	FT00175REU2	10.00 U	FT00176REU2	10.00 U	FT00177REU2	10.00 U	10.00
	12/05/91	FT00178REU2	10.00 U	FT00179REU2	10.00 U	FT00180REU2	10.00 U	10.00
VINYL CHLORIDE:								
	05/29/91	FT00014REU2	10.00 U	FT00015REU2	10.00 U	FT00016REU2	10.00 U	10.00
	06/06/91	FT00025REU2	10.00 U	FT00026REU2	10.00 U	FT00027REU2	10.00 U	10.00
	06/06/91	FT00028REU2	10.00 U	FT00029REU2	10.00 U	FT00030REU2	10.00 U	10.00
	06/11/91	FT00034REU2	10.00 U	FT00035REU2	10.00 U	FT00036REU2	10.00 U	10.00
	06/13/91	FT00037REU2	10.00 U	FT00038REU2	10.00 U	FT00039REU2	10.00 U	10.00
	06/18/91	FT00042REU2	10.00 U	FT00043REU2	10.00 U	FT00044REU2	10.00 U	10.00
	07/18/91	FT00051REU2	10.00 U	FT00052REU2	10.00 U	FT00053REU2	10.00 U	10.00
	07/24/91	FT00054REU2	10.00 U	FT00055REU2	1.00 J	FT00056REU2	1.00 J	10.00
	07/25/91	FT00057REU2	3.00 J	FT00058REU2	10.00 U	FT00059REU2	10.00 U	10.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. . = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA
CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
VINYL CHLORIDE:								
07/31/91	FT00062REU2	10.00	U	FT00063REU2	10.00	U	FT00064REU2	10.00
08/01/91	FT00065REU2	10.00	U	FT00066REU2	10.00	U	FT00067REU2	10.00
08/06/91	FT00068REU2	10.00	U	FT00069REU2	10.00	U	FT00070REU2	10.00
08/08/91	FT00071REU2	10.00	U	FT00072REU2	10.00	U	FT00073REU2	10.00
08/13/91	FT00074REU2	10.00	U	FT00075REU2	10.00	U	FT00076REU2	10.00
08/15/91	FT00077REU2	10.00	U	FT00078REU2	10.00	U	FT00079REU2	10.00
08/21/91	FT00080REU2	10.00	U	FT00081REU2	10.00	U	FT00082REU2	10.00
08/22/91	FT00083REU2	10.00	U	FT00084REU2	10.00	U	FT00085REU2	10.00
08/27/91	FT00086REU2	10.00	U	FT00087REU2	10.00	U	FT00088REU2	10.00
08/29/91	FT00089REU2	10.00	U	FT00090REU2	10.00	U	FT00091REU2	10.00
09/03/91	FT00092REU2	10.00	U	FT00093REU2	10.00	U	FT00094REU2	10.00
09/10/91	FT00098REU2	4.00	J	FT00099REU2	5.00	J	FT00100REU2	4.00
09/12/91	FT00101REU2	10.00	U	FT00102REU2	10.00	U	FT00103REU2	10.00
09/17/91	FT00104REU2	10.00	U	.	.	.	FT00106REU2	10.00
09/19/91	FT00108REU2	10.00	U	FT00109REU2	10.00	U	FT00110REU2	10.00
09/24/91	FT00111REU2	10.00	U	FT00112REU2	10.00	U	FT00113REU2	10.00
09/26/91	FT00114REU2	10.00	U	FT00115REU2	10.00	U	FT00116REU2	10.00
10/01/91	FT00117REU2	10.00	U	FT00118REU2	10.00	U	FT00119REU2	10.00
10/03/91	.	.	.	FT00121REU2	10.00	U	FT00122REU2	10.00
10/08/91	FT00126REU2	10.00	U	FT00127REU2	10.00	U	FT00128REU2	10.00
10/10/91	FT00129REU2	10.00	U	FT00130REU2	10.00	U	FT00131REU2	10.00
10/17/91	FT00135REU2	10.00	U	FT00136REU2	10.00	U	FT00137REU2	10.00
10/21/91	FT00166REU2	3.00	J	FT00167REU2	3.00	J	FT00168REU2	3.00
10/22/91	FT00138REU2	10.00	U	FT00139REU2	10.00	U	FT00140REU2	10.00
10/24/91	FT00141REU2	10.00	U	FT00142REU2	10.00	U	FT00143REU2	10.00
10/29/91	FT00144REU2	10.00	U	FT00145REU2	10.00	U	FT00146REU2	10.00
11/05/91	FT00150REU2	10.00	U	FT00151REU2	10.00	U	FT00152REU2	10.00
11/07/91	FT00153REU2	3.00	J	FT00154REU2	2.00	J	FT00155REU2	2.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than IDL, but greater than 0.1%. . = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IN/IR
CLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
VINYL CHLORIDE:								
11/12/91	FT00156REU2	7.00 J	FT00157REU2	3.00 J	FT00158REU2	10.00 U	10.00	
11/14/91	.	.	FT00161REU2	7.00 J	FT00162REU2	3.00 J	.	
11/19/91	FT00163REU2	2.00 J	FT00164REU2	2.00 J	FT00165REU2	10.00 U	10.00	
11/27/91	FT00172REU2	3.00 J	.	.	.	.	10.00	
12/03/91	FT00175REU2	10.00 U	FT00176REU2	10.00 U	FT00177REU2	10.00 U	10.00	
12/05/91	FT00178REU2	6.00 J	FT00179REU2	6.00 J	FT00180REU2	5.00 J	10.00	
cis-1,3-DICHLOROPROPENE:								
05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00	
06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00	
06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00	
06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00	
06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00	
06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00	
07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00	
07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00	
07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00	
07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00	
08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00	
08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00	
08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00	
08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00	
08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00	
08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00	
08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00	
08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00	
08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00	
09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00	
09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00	

U = Analyzed but not detected.

B = Analyte is found in the associated blank as well as the sample.

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

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GLP Volatiles
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFILTRANT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
cis-1,3-DICHLOROPROPENE:								
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	FT00109REU2	5.00 U	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00112REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.		FT00121REU2	5.00 U	FT00122REU2	5.00 U	.
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00
	10/21/91	FT00165REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00139REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00158REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	.		FT00161REU2	5.00 U	FT00162REU2	5.00 U	.
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	.		.		5.00
	12/03/91	FT00175REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00
trans-1,2,-DICHLOROETHANE-D4:	09/10/91	FT00098REU2	12.00	FT00099REU2	12.00	FT00100REU2	3.00 J	5.00
trans-1,3-DICHLOROPROPENE:	05/29/91	FT00014REU2	5.00 U	FT00015REU2	5.00 U	FT00016REU2	5.00 U	5.00
	06/06/91	FT00025REU2	5.00 U	FT00026REU2	5.00 U	FT00027REU2	5.00 U	5.00
	06/06/91	FT00028REU2	5.00 U	FT00029REU2	5.00 U	FT00030REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 1M/1RA

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CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
trans-1,3-DICHLOROPROPENE:								
	06/11/91	FT00034REU2	5.00 U	FT00035REU2	5.00 U	FT00036REU2	5.00 U	5.00
	06/13/91	FT00037REU2	5.00 U	FT00038REU2	5.00 U	FT00039REU2	5.00 U	5.00
	06/18/91	FT00042REU2	5.00 U	FT00043REU2	5.00 U	FT00044REU2	5.00 U	5.00
	07/18/91	FT00051REU2	5.00 U	FT00052REU2	5.00 U	FT00053REU2	5.00 U	5.00
	07/24/91	FT00054REU2	5.00 U	FT00055REU2	5.00 U	FT00056REU2	5.00 U	5.00
	07/25/91	FT00057REU2	5.00 U	FT00058REU2	5.00 U	FT00059REU2	5.00 U	5.00
	07/31/91	FT00062REU2	5.00 U	FT00063REU2	5.00 U	FT00064REU2	5.00 U	5.00
	08/01/91	FT00065REU2	5.00 U	FT00066REU2	5.00 U	FT00067REU2	5.00 U	5.00
	08/06/91	FT00068REU2	5.00 U	FT00069REU2	5.00 U	FT00070REU2	5.00 U	5.00
	08/08/91	FT00071REU2	5.00 U	FT00072REU2	5.00 U	FT00073REU2	5.00 U	5.00
	08/13/91	FT00074REU2	5.00 U	FT00075REU2	5.00 U	FT00076REU2	5.00 U	5.00
	08/15/91	FT00077REU2	5.00 U	FT00078REU2	5.00 U	FT00079REU2	5.00 U	5.00
	08/21/91	FT00080REU2	5.00 U	FT00081REU2	5.00 U	FT00082REU2	5.00 U	5.00
	08/22/91	FT00083REU2	5.00 U	FT00084REU2	5.00 U	FT00085REU2	5.00 U	5.00
	08/27/91	FT00086REU2	5.00 U	FT00087REU2	5.00 U	FT00088REU2	5.00 U	5.00
	08/29/91	FT00089REU2	5.00 U	FT00090REU2	5.00 U	FT00091REU2	5.00 U	5.00
	09/03/91	FT00092REU2	5.00 U	FT00093REU2	5.00 U	FT00094REU2	5.00 U	5.00
	09/10/91	FT00098REU2	5.00 U	FT00099REU2	5.00 U	FT00100REU2	5.00 U	5.00
	09/12/91	FT00101REU2	5.00 U	FT00102REU2	5.00 U	FT00103REU2	5.00 U	5.00
	09/17/91	FT00104REU2	5.00 U	FT00105REU2	5.00 U	FT00106REU2	5.00 U	5.00
	09/19/91	FT00108REU2	5.00 U	FT00109REU2	5.00 U	FT00110REU2	5.00 U	5.00
	09/24/91	FT00111REU2	5.00 U	FT00112REU2	5.00 U	FT00113REU2	5.00 U	5.00
	09/26/91	FT00114REU2	5.00 U	FT00115REU2	5.00 U	FT00116REU2	5.00 U	5.00
	10/01/91	FT00117REU2	5.00 U	FT00118REU2	5.00 U	FT00119REU2	5.00 U	5.00
	10/03/91	.	.	FT00121REU2	5.00 U	FT00122REU2	5.00 U	.
	10/08/91	FT00126REU2	5.00 U	FT00127REU2	5.00 U	FT00128REU2	5.00 U	5.00
	10/10/91	FT00129REU2	5.00 U	FT00130REU2	5.00 U	FT00131REU2	5.00 U	5.00
	10/17/91	FT00135REU2	5.00 U	FT00136REU2	5.00 U	FT00137REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample.

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX A
OPERABLE UNIT NO. 2 IM/IRA

CLP Volatiles
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLOW CONCENTRATION</u>	<u>BETWEEN GAC SAMPLE NUMBER</u>	<u>BETWEEN GAC CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
trans-1,3-DICHLOROPROPENE:								
	10/21/91	FT00166REU2	5.00 U	FT00167REU2	5.00 U	FT00168REU2	5.00 U	5.00
	10/22/91	FT00138REU2	5.00 U	FT00139REU2	5.00 U	FT00140REU2	5.00 U	5.00
	10/24/91	FT00141REU2	5.00 U	FT00142REU2	5.00 U	FT00143REU2	5.00 U	5.00
	10/29/91	FT00144REU2	5.00 U	FT00145REU2	5.00 U	FT00146REU2	5.00 U	5.00
	11/05/91	FT00150REU2	5.00 U	FT00151REU2	5.00 U	FT00152REU2	5.00 U	5.00
	11/07/91	FT00153REU2	5.00 U	FT00154REU2	5.00 U	FT00155REU2	5.00 U	5.00
	11/12/91	FT00156REU2	5.00 U	FT00157REU2	5.00 U	FT00158REU2	5.00 U	5.00
	11/14/91	"	"	FT00161REU2	5.00 U	FT00162REU2	5.00 U	"
	11/19/91	FT00163REU2	5.00 U	FT00164REU2	5.00 U	FT00165REU2	5.00 U	5.00
	11/27/91	FT00172REU2	5.00 U	"	"	"	"	5.00
	12/03/91	FT00173REU2	5.00 U	FT00176REU2	5.00 U	FT00177REU2	5.00 U	5.00
	12/05/91	FT00178REU2	5.00 U	FT00179REU2	5.00 U	FT00180REU2	5.00 U	5.00

U = Analyzed but not detected. B = Analyte is found in the associated blank as well as the sample

E = Concentration exceeds the calibration range of the instrument.

J = Reported value is less than CRDL, but greater than IDL. - = Missing.

D = Identification of an analysis at a secondary dilution factor.

APPENDIX B
OPERABLE UNIT NO. 2 IM/IRA

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>		
ALUMINUM:	05/29/91	FT00017REU2	82.20	B	FT00018REU2	83.80	B	200.00
	06/13/91	FT00037REU2	262.00	*	FT00039REU2	154.00	B*	200.00
	09/17/91	FT00104REU2	129.00	B	FT00106REU2	148.00	B	200.00
	11/12/91	FT00156REU2	517.00		FT00159REU2	108.00	B	200.00
	12/12/91	FT00184REU2	268.00		FT00186REU2	243.00		200.00
ANTIMONY:	05/29/91	FT00017REU2	30.90	BN	FT00018REU2	27.00	BN	60.00
	06/13/91	FT00037REU2	22.60	BN	FT00039REU2	19.90	BN	60.00
	09/17/91	FT00104REU2	65.30		FT00106REU2	73.60		60.00
	11/12/91	FT00156REU2	25.30	B	FT00159REU2	22.20	B	60.00
	12/12/91	FT00184REU2	23.30	B	FT00186REU2	17.80	B	60.00
ARSENIC:	05/29/91	FT00017REU2	2.00	UW	FT00018REU2	2.00	UW	10.00
	06/13/91	FT00037REU2	2.00	UN	FT00039REU2	2.00	UN	10.00
	09/17/91	FT00104REU2	2.00	U	FT00106REU2	4.00	B	10.00
	11/12/91	FT00156REU2	2.00	U	FT00159REU2	2.00	U	10.00
	12/12/91	FT00184REU2	2.00	U	FT00186REU2	2.00	U	10.00
BARIUM:	05/29/91	FT00017REU2	175.00	B	FT00018REU2	178.00	B	200.00
	06/13/91	FT00037REU2	173.00	B	FT00039REU2	173.00	B	200.00
	09/17/91	FT00104REU2	171.00	BE	FT00106REU2	154.00	BE	200.00
	11/12/91	FT00156REU2	160.00	B	FT00159REU2	141.00	B	200.00
	12/12/91	FT00184REU2	181.00	B	FT00186REU2	174.00	B	200.00
BERYLLIUM:	05/29/91	FT00017REU2	1.00	U	FT00018REU2	1.00	U	5.00
	06/13/91	FT00037REU2	1.00	U	FT00039REU2	1.00	U	5.00
	09/17/91	FT00104REU2	1.00	U	FT00106REU2	1.00	U	5.00
	11/12/91	FT00156REU2	1.00	U	FT00159REU2	1.00	U	5.00

U = Analyzed but not detected. N = Spiked sample recovery outside of control limits.

E = Result is Estimated. W = Post-digestion spike was out of control limits. - = Missing or not applicable.

B = Reported value is less than CRDL, but greater than IDL. * = duplicate analysis outside control limits.

S = Reported value was determined by method of standard additions.

APPENDIX B
OPERABLE UNIT NO. 2 IM/IRA

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
BERYLLIUM:	12/12/91	FT00184REU2	1.00 U	FT00186REU2	1.00 U	5.00
CADMIUM:	05/29/91	FT00017REU2	2.00 U	FT00018REU2	2.00 U	5.00
	06/13/91	FT00037REU2	2.00 U	FT00039REU2	2.00 U	5.00
	09/17/91	FT00104REU2	3.80 B	FT00106REU2	3.90 B	5.00
	11/12/91	FT00153REU2	2.00 U	FT00159REU2	2.00 U	5.00
	12/12/91	FT00184REU2	1.80 B	FT00186REU2	2.00 B	5.00
CALCIUM:	05/29/91	FT00017REU2	95100.00	FT00018REU2	95800.00	5000.00
	06/13/91	FT00037REU2	91100.00	FT00039REU2	91000.00	5000.00
	09/17/91	FT00104REU2	89000.00	FT00106REU2	87800.00	5000.00
	11/12/91	FT00153REU2	80100.00	FT00159REU2	78200.00	5000.00
	12/12/91	FT00184REU2	97500.00	FT00186REU2	97100.00	5000.00
CESTIUM:	05/29/91	FT00017REU2	112.00 UN	FT00018REU2	112.00 UN	1000.00
	06/13/91	FT00037REU2	112.00 U	FT00039REU2	112.00 U	1000.00
	09/17/91	FT00104REU2	51.00 UN	FT00106REU2	51.00 UN	1000.00
	11/12/91	FT00153REU2	51.00 U	FT00159REU2	51.00 U	1000.00
	12/12/91	FT00184REU2	32.00 U	FT00186REU2	32.00 U	1000.00
CHROMIUM:	05/29/91	FT00017REU2	13.40	FT00018REU2	12.80	10.00
	06/13/91	FT00037REU2	11.60 *	FT00039REU2	10.20 *	10.00
	09/17/91	FT00104REU2	15.20	FT00106REU2	17.50	10.00
	11/12/91	FT00153REU2	10.80	FT00159REU2	10.70	10.00
	12/12/91	FT00184REU2	9.00 B	FT00186REU2	11.50	10.00
COBALT:	05/29/91	FT00017REU2	3.00 U	FT00018REU2	3.00 U	50.00
	06/13/91	FT00037REU2	3.00 U	FT00039REU2	3.00 U	50.00

U = Analyzed but not detected. N = Spiked sample recovery outside of control limits.

E = Result is Estimated. W = Post-digestion spike was out of control limits. * = Missing or not applicable.

B = Reported value is less than CRDL, but greater than IDL. * = duplicate analysis outside control limits.

S = Reported value was determined by method of standard additions.

APPENDIX B
OPERABLE UNIT NO. 2 1M/IRA

**Total Metals-CLP & Non-CLP
(Concentration Units ug/L)**

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
COBALT:	09/17/91	FT00104REU2	4.50	B	FT00106REU2	7.30 B
	11/12/91	FT00156REU2	3.00	U	FT00159REU2	3.00 U
	12/12/91	FT00184REU2	3.00	U	FT00186REU2	3.00 U
COPPER:	05/29/91	FT00017REU2	11.00	U	FT00018REU2	11.00 U
	06/13/91	FT00037REU2	11.00	U	FT00039REU2	11.00 U
	09/17/91	FT00104REU2	13.20	B	FT00106REU2	3.00 U
	11/12/91	FT00156REU2	11.60	B	FT00159REU2	7.80 B
	12/12/91	FT00184REU2	7.90	B	FT00186REU2	7.50 B
						25.00
IRON:	05/29/91	FT00017REU2	40.80	B	FT00018REU2	16.70 B
	06/13/91	FT00037REU2	256.00	*	FT00039REU2	115.00 *
	09/17/91	FT00104REU2	200.00		FT00106REU2	65.40 B
	11/12/91	FT00156REU2	663.00		FT00159REU2	88.70 B
	12/12/91	FT00184REU2	344.00		FT00186REU2	308.00
						100.00
LEAD:	05/29/91	FT00017REU2	1.00	U	FT00018REU2	1.00 U
	06/13/91	FT00037REU2	1.00	U	FT00039REU2	1.20 BW
	09/17/91	FT00104REU2	1.00	UW*	FT00106REU2	1.00 U*
	11/12/91	FT00156REU2	2.00	B	FT00159REU2	1.00 U
	12/12/91	FT00184REU2	1.00	U	FT00186REU2	1.00 U
						3.00
LITHIUM:	05/29/91	FT00017REU2	8.30	B	FT00018REU2	9.30 B
	06/13/91	FT00037REU2	8.50	B	FT00039REU2	8.10 B
	09/17/91	FT00104REU2	9.50	BE	FT00106REU2	10.90 BE
	11/12/91	FT00156REU2	7.30	B	FT00159REU2	7.60 B
	12/12/91	FT00184REU2	8.60	B	FT00186REU2	8.60 B
						100.00

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S = Reported value was determined by method of standard additions.

APPENDIX B
OPERABLE UNIT NO. 2 IM/IRA

Total Metals-CLP & Non-CLP
 (Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
MAGNESIUM:	05/29/91	FT00017REU2	17400.00	FT00018REU2	17500.00	5000.00
	06/13/91	FT00037REU2	15300.00	FT00039REU2	15300.00	5000.00
	09/17/91	FT00104REU2	16200.00	E FT00106REU2	16500.00	E 5000.00
	11/12/91	FT00156REU2	15400.00	FT00159REU2	15300.00	5000.00
	12/12/91	FT00184REU2	16800.00	FT00186REU2	16800.00	5000.00
MANGANESE:	05/29/91	FT00017REU2	28.00	FT00018REU2	1.00	U 15.00
	06/13/91	FT00037REU2	19.80	FT00039REU2	4.90	B 15.00
	09/17/91	FT00104REU2	18.80	FT00106REU2	22.20	B 15.00
	11/12/91	FT00156REU2	67.30	FT00159REU2	6.10	B 15.00
	12/12/91	FT00184REU2	46.90	FT00186REU2	9.90	B 15.00
MERCURY:	05/29/91	FT00017REU2	0.20	UN*	FT00018REU2	0.20 UN*
	06/13/91	FT00037REU2	0.20	UN	FT00039REU2	0.20 UN
	09/17/91	FT00104REU2	0.20	U	FT00106REU2	0.20 U
	11/12/91	FT00156REU2	0.20	U	FT00159REU2	0.20 U
	12/12/91	FT00184REU2	0.20	U	FT00186REU2	0.20 U
MOLYBDENUM:	05/29/91	FT00017REU2	2.80	BN	FT00018REU2	2.90 BN 200.00
	06/13/91	FT00037REU2	4.40	B	FT00039REU2	4.20 B 200.00
	09/17/91	FT00104REU2	8.10	B	FT00106REU2	12.50 B 200.00
	11/12/91	FT00156REU2	3.00	U	FT00159REU2	4.30 B 200.00
	12/12/91	FT00184REU2	2.70	B	FT00186REU2	3.50 B 200.00
NICKEL:	05/29/91	FT00017REU2	3.00	U	FT00018REU2	3.00 U 40.00
	06/13/91	FT00037REU2	4.00	B	FT00039REU2	3.60 B 40.00
	09/17/91	FT00104REU2	14.10	B	FT00106REU2	8.20 B 40.00
	11/12/91	FT00156REU2	17.00	U	FT00159REU2	17.00 U 40.00

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 S = Reported value was determined by method of standard additions.

APPENDIX B
OPERABLE UNIT NO. 2 IM/IRA

**Total Metals-CLP & Non-CLP
(Concentration Units ug/L)**

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
NICKEL:	12/12/91	FT000184REU2	4.40 B	FT00186REU2	3.60 B	40.00
POTASSIUM:	05/29/91 06/13/91 09/17/91 11/12/91 12/12/91	FT00017REU2 FT00037REU2 FT00104REU2 FT00156REU2 FT00184REU2	2130.00 B 1840.00 B 1480.00 BE 2440.00 B 1650.00 B	FT00018REU2 FT00039REU2 FT00106REU2 FT00159REU2 FT00186REU2	2160.00 B 1820.00 B 1610.00 BE 2560.00 B 1690.00 B	5000.00 5000.00 5000.00 5000.00 5000.00
SELENIUM:	05/29/91 06/13/91 09/17/91 11/12/91 12/12/91	FT00017REU2 FT00037REU2 FT00104REU2 FT00156REU2 FT00184REU2	2.00 BN 2.00 U 2.00 UN 2.00 U 2.00 U	FT00018REU2 FT00039REU2 FT00106REU2 FT00159REU2 FT00186REU2	1.00 BN 2.00 U 2.00 UN 2.00 U 2.00 U	5.00 5.00 5.00 5.00 5.00
SILVER:	05/29/91 06/13/91 09/17/91 11/12/91 12/12/91	FT00017REU2 FT00037REU2 FT00104REU2 FT00156REU2 FT00184REU2	3.80 BN 2.10 B 3.50 B 2.00 U 2.10 B	FT00018REU2 FT00039REU2 FT00106REU2 FT00159REU2 FT00186REU2	3.40 BN 2.00 U 4.00 B 2.30 B 2.50 B	10.00 10.00 10.00 10.00 10.00
SODIUM:	05/29/91 06/13/91 09/17/91 11/12/91 12/12/91	FT00017REU2 FT00037REU2 FT00104REU2 FT00156REU2 FT00184REU2	39300.00 35900.00 34600.00 40500.00 36200.00	FT00018REU2 FT00039REU2 FT00106REU2 FT00159REU2 FT00186REU2	39600.00 35900.00 35600.00 42400.00 36100.00	5000.00 5000.00 5000.00 5000.00 5000.00
STRONTIUM:	05/29/91 06/13/91	FT00017REU2 FT00037REU2	538.00 488.00	FT00018REU2 FT00039REU2	537.00 493.00	200.00 200.00

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APPENDIX B
OPERABLE UNIT NO. 2 IM/IRA

Total Metals-CLP & Non-CLP
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>		
STRONTIUM:	09/17/91	FT00104REU2	517.00	E	FT00106REU2	541.00	E	200.00
	11/12/91	FT00159REU2	468.00		FT00159REU2	471.00		200.00
	12/12/91	FT00184REU2	518.00		FT00186REU2	520.00		200.00
THALLIUM:	05/29/91	FT00017REU2	1.00	U	FT00018REU2	1.00	U	10.00
	06/13/91	FT00037REU2	1.00	UW	FT00039REU2	1.00	UW	10.00
	09/17/91	FT00104REU2	1.00	UWN	FT00106REU2	1.00	UWN	10.00
	11/12/91	FT00159REU2	1.00	U	FT00159REU2	1.00	U	10.00
	12/12/91	FT00184REU2	1.00	UWN	FT00186REU2	1.00	UWN	10.00
TIN:	05/29/91	FT00017REU2	10.00	UN	FT00018REU2	10.00	UN	200.00
	06/13/91	FT00037REU2	11.60	B	FT00039REU2	13.50	B	200.00
	09/17/91	FT00104REU2	28.70	B	FT00106REU2	14.00	U	200.00
	11/12/91	FT00159REU2	17.00	U	FT00159REU2	17.00	U	200.00
	12/12/91	FT00184REU2	20.20	B	FT00186REU2	23.10	B	200.00
VANADIUM:	05/29/91	FT00017REU2	5.00	B	FT00018REU2	4.10	B	50.00
	06/13/91	FT00037REU2	4.70	B	FT00039REU2	3.80	B	50.00
	09/17/91	FT00104REU2	7.90	B	FT00106REU2	12.30	B	50.00
	11/12/91	FT00159REU2	6.20	B	FT00159REU2	4.90	B	50.00
	12/12/91	FT00184REU2	6.20	B	FT00186REU2	6.50	B	50.00
ZINC:	05/29/91	FT00017REU2	207.00		FT00018REU2	120.00		20.00
	06/13/91	FT00037REU2	192.00	E	FT00039REU2	119.00	E	20.00
	09/17/91	FT00104REU2	159.00	E	FT00106REU2	13.50	BE	20.00
	11/12/91	FT00159REU2	165.00		FT00159REU2	64.40		20.00
	12/12/91	FT00184REU2	261.00	E	FT00186REU2	171.00	E	20.00

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APPENDIX B
OPERABLE UNIT NO. 2 1M/IRA

Dissolved Metals-CLP & Non-CLP
(Concentration Units ug/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
ALUMINUM:	07/31/91	FT00062REU2	88.70 B	FT00064REU2	150.00 B	200.00
ANTIMONY:	07/31/91	FT00062REU2	22.00 B	FT00064REU2	22.00 B	60.00
ARSENIC:	07/31/91	FT00062REU2	2.00 U	FT00064REU2	2.00 U	10.00
BARIUM:	07/31/91	FT00062REU2	166.00 B	FT00064REU2	159.00 B	200.00
BERYLLIUM:	07/31/91	FT00062REU2	1.00 U	FT00064REU2	1.00 U	5.00
CADMIUM:	07/31/91	FT00062REU2	1.00 U	FT00064REU2	1.00 U	5.00
CALCIUM:	07/31/91	FT00062REU2	81900.00	FT00064REU2	82000.00	5000.00
CESIUM:	07/31/91	FT00062REU2	32.00 U	FT00064REU2	32.00 U	1000.00
CHROMIUM:	07/31/91	FT00062REU2	8.60 B	FT00064REU2	7.80 B	10.00
COBALT:	07/31/91	FT00062REU2	2.00 U	FT00064REU2	2.00 U	50.00
COPPER:	07/31/91	FT00062REU2	3.20 B	FT00064REU2	3.00 U	25.00
IRON:	07/31/91	FT00062REU2	152.00	FT00064REU2	142.00	100.00
LEAD:	07/31/91	FT00062REU2	1.00 U	FT00064REU2	1.00 U	3.00
LITHIUM:	07/31/91	FT00062REU2	8.20 B	FT00064REU2	8.20 B	100.00

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APPENDIX B
OPERABLE UNIT NO. 2 IM/IRA

Dissolved Metals-CLP & Non-CLP
 (Concentration Units ug/l.)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION</u>	<u>DETECTION LIMIT</u>
MAGNESIUM:	07/31/91	FT00062REU2	14100.00	FT00064REU2	14300.00	5000.00
MANGANESE:	07/31/91	FT00062REU2	27.90	FT00064REU2	7.90 B	15.00
MERCURY:	07/31/91	FT00062REU2	0.20 U	FT00064REU2	0.20 U	0.00
MOLYBDENUM:	07/31/91	FT00062REU2	3.80 B	FT00064REU2	5.40 B	200.00
NICKEL:	07/31/91	FT00062REU2	3.00 U	FT00064REU2	3.00 U	40.00
POTASSIUM:	07/31/91	FT00062REU2	1670.00 B	FT00064REU2	1670.00 B	5000.00
SELENIUM:	07/31/91	FT00062REU2	2.00 U	FT00064REU2	2.00 B	5.00
SILVER:	07/31/91	FT00062REU2	2.00 U	FT00064REU2	2.00 U	10.00
SODIUM:	07/31/91	FT00062REU2	30600.00	FT00064REU2	30700.00	5000.00
STRONTIUM:	07/31/91	FT00062REU2	424.00	FT00064REU2	436.00	200.00
THALLIUM:	07/31/91	FT00062REU2	2.00 U	FT00064REU2	2.00 U	10.00
TIN:	07/31/91	FT00062REU2	18.60 B	FT00064REU2	31.20 B	200.00
VANADIUM:	07/31/91	FT00062REU2	3.00 B	FT00064REU2	2.80 B	50.00
ZINC:	07/31/91	FT00062REU2	207.00	FT00064REU2	124.00	20.00

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APPENDIX C
OPERABLE UNIT NO. 2 IM/IRA

Dissolved Radiochemistry
 (Concentration Units pCi/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION +/- ERROR</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION +/- ERROR</u>	<u>EFFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION +/- ERROR</u>
GROSS ALPHA:	05/29/91	FT000004REU2	1.9340 +/-	0.9790	FT000009REU2	2.2090 +/-	0.9920
	06/13/91	FT00040REU2	2.5950 +/-	2.1900	FT00041REU2	3.9010 +/-	2.3100
	07/31/91	FT00060REU2	3.6170 +/-	1.8300	FT00061REU2	2.9720 +/-	1.3100
	09/17/91	FT00104REU2	1.8740 +/-	1.4800	FT00107REU2	1.3950 +/-	1.1700
GROSS BETA:	05/29/91	FT000004REU2	1.3320 +/-	0.9280	FT000009REU2	2.6170 +/-	1.0600
	06/13/91	FT00040REU2	5.7970 +/-	1.7500	FT00041REU2	5.1680 +/-	1.5700
	07/31/91	FT00060REU2	3.3190 +/-	1.7200	FT00061REU2	5.1210 +/-	1.6100
	09/17/91	FT00104REU2	3.5710 +/-	1.5600	FT00107REU2	4.9380 +/-	1.6300
STRONTIUM-89,90:	05/29/91	FT000006REU2	0.2588 +/-	0.2870	FT000011REU2	0.4129 +/-	0.4280
	06/13/91	FT00040REU2	0.3101 +/-	0.2760	FT00041REU2	0.6989 +/-	0.3750
	07/31/91	FT00060REU2	0.7135 +/-	0.4550	FT00061REU2	0.5585 +/-	0.4020
	09/17/91	FT00104REU2	0.3501 +/-	0.4180	FT00107REU2	0.4672 +/-	0.3690
TRITIUM:	05/29/91	FT000007REU2	89.2100 +/-	200.0000	FT00012REU2	149.6000 +/-	204.0000
	06/13/91	FT00040REU2	-44.5000 +/-	197.0000	FT00041REU2	175.9000 +/-	209.0000
	07/31/91	FT00060REU2	123.9000 +/-	223.0000	FT00061REU2	160.6000 +/-	225.0000
	09/17/91	FT00104REU2	6.7990 +/-	221.0000	FT00107REU2	64.1000 +/-	225.0000
URANIUM-233, -234:	05/29/91	FT000005REU2	2.6550 +/-	0.7720	FT00010REU2	3.4320 +/-	0.9090
	06/13/91	FT00040REU2	3.4540 +/-	0.4820	FT00041REU2	3.2940 +/-	0.4680
	07/31/91	FT00060REU2	2.7270 +/-	1.0700	FT00061REU2	2.2400 +/-	0.7270
	09/17/91	FT00104REU2	-1.1900 +/-	1.3200	FT00107REU2	2.0270 +/-	0.5730
URANIUM-235:	05/29/91	FT000005REU2	0.1194 +/-	0.1620	FT00010REU2	0.0846 +/-	0.1350
	06/13/91	FT00040REU2	0.0623 +/-	0.0692	FT00041REU2	0.0461 +/-	0.0555
	07/31/91	FT00060REU2	0.1627 +/-	0.2520	FT00061REU2	0.0500 +/-	0.1000

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APPENDIX C
OPERABLE UNIT NO. 2 IM/1RA

Dissolved Radiochemistry
 (Concentration Units pCi/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION +/- ERROR</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION +/- ERROR</u>	<u>EFFLUENT CONCENTRATION +/- ERROR</u>
URANIUM-235:	09/17/91	FT00104REU2	-0.1980 +/-	0.4230	FT00107REU2	-0.0133 +/-
						0.0265
URANIUM-238:	05/29/91	FT00005REU2	2.7740 +/-	0.7950	FT00010REU2	2.3980 +/-
	06/13/91	FT00040REU2	3.1160 +/-	0.4470	FT00041REU2	2.7400 +/-
	07/31/91	FT00060REU2	2.1080 +/-	0.9220	FT00061REU2	1.6400 +/-
	09/17/91	FT00104REU2	2.4760 +/-	5.2900	FT00107REU2	2.3060 +/-
						0.6150

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APPENDIX C
OPERABLE UNIT NO. 2 IM/IR

Total Radiochemistry
 (Concentration Units pCi/L)

<u>ANALYTE</u>	<u>SAMPLE DATE</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>INFLUENT CONCENTRATION +/- ERROR</u>	<u>INFLUENT SAMPLE NUMBER</u>	<u>EFFLUENT CONCENTRATION +/- ERROR</u>
AMERICIUM-241:	05/29/91	FT00006REU2	0.0029 +/- 0.0281 +/- 0.0063 +/- 0.0056 +/-	FT00011REU2 FT00041REU2 FT00061REU2 FT00107REU2	0.0013 +/- 0.0171 +/- 0.0134 +/- 0.0056 +/-
	06/13/91	FT00040REU2			0.0026 0.0127 0.0077 0.0066
	07/31/91	FT00060REU2			
	09/17/91	FT00104REU2			
CESIUM-137:	05/29/91	FT00006REU2	-0.3790 +/- 0.1361 +/- 0.2082 +/- -0.4870 +/-	FT00011REU2 FT00041REU2 FT00061REU2 FT00107REU2	0.3757 +/- 0.2780 +/- 0.0125 +/- -0.2970 +/-
	06/13/91	FT00040REU2			0.4180 0.5820
	07/31/91	FT00060REU2			0.7790
	09/17/91	FT00104REU2			0.5290
PLUTONIUM-239/240:	05/29/91	FT00008REU2	0.0049 +/- 0.0085 +/- 0.0019 +/- 0.0063 +/-	FT00013REU2 FT00041REU2 FT00061REU2 FT00107REU2	0.0026 +/- 0.0057 +/- 0.0038 +/- 0.0012 +/-
	06/13/91	FT00040REU2			0.0051
	07/31/91	FT00060REU2			0.0041
	09/17/91	FT00104REU2			0.0024

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Appendix D

Field Data Documentation

The following records are being kept by the O&M subcontractor, safeguarded, to document the conduct of the Phase 1 program.

- Shift Log (Daily Activity Record)
- Loose Leaf Data Book , containing
- Waste Log (authorization to ship samples)
- Backwash Log
 - Service Data (40 kw generator)
 - pH readings and calibrations
- Diesel Generator O&M Record (250 kw unit)
- Sample Log (Bound, 5" x 7" format)
- Operations Log (Bound, 5" x 7" format)
- Air Sampling Log (Bound, 5" x 7" format)
- Chain of Custody Copies
- Influent and Effluent Flow Data
- Turbidity readings and Calibrations
- HNU Calibration Instructions
- pH Meter Calibration Instructions
- Turbidity Meter Calibration Instructions
- Weekly Summary Operations Reports